Lead-Acid Battery

This document contains TDS for the following products:

GEL Lead-Acid Battery

AGM Lead-Acid Battery

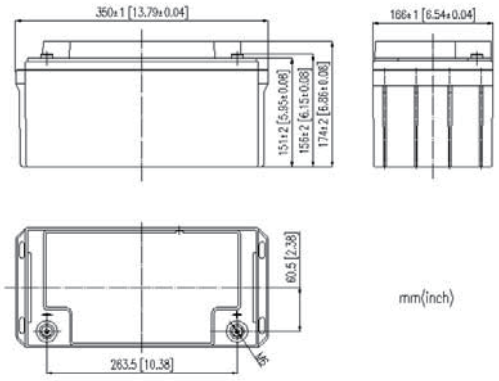
6GFMJ-65

GEL Battery (12V65Ah)

Features

- The battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

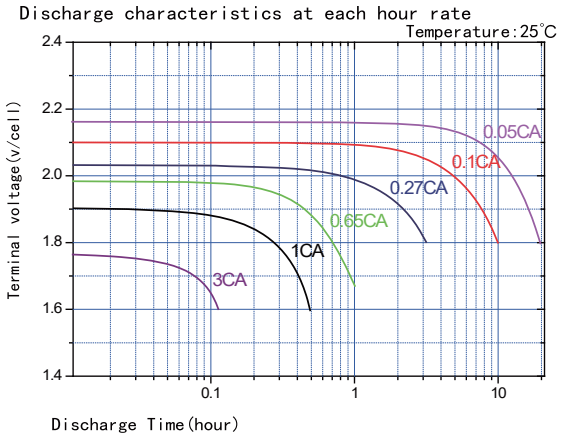
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

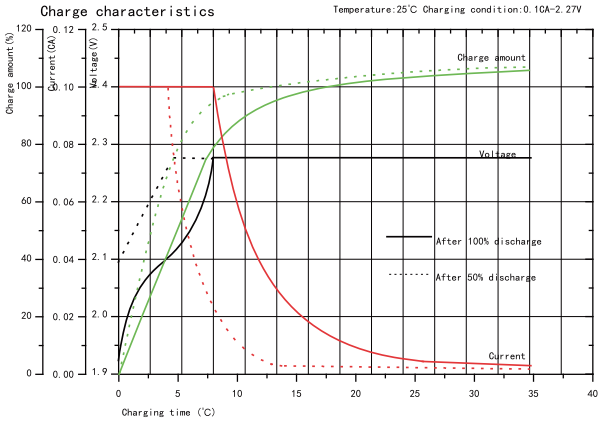
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	65Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	350(mm)×166(mm)×174(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	20.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M6
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

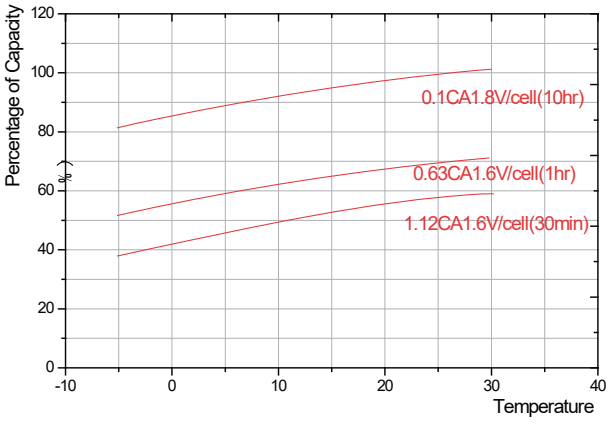
Discharge Characteristics Curve at 25°C



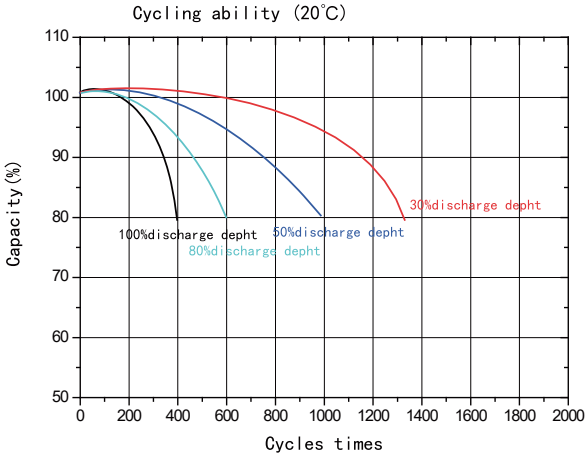
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

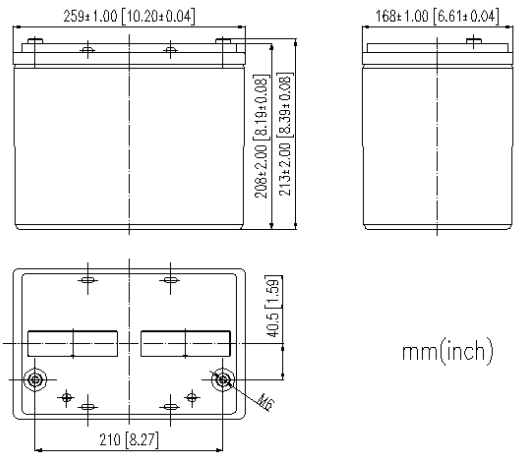
6GFMJ-80

GEL Battery (12V80Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

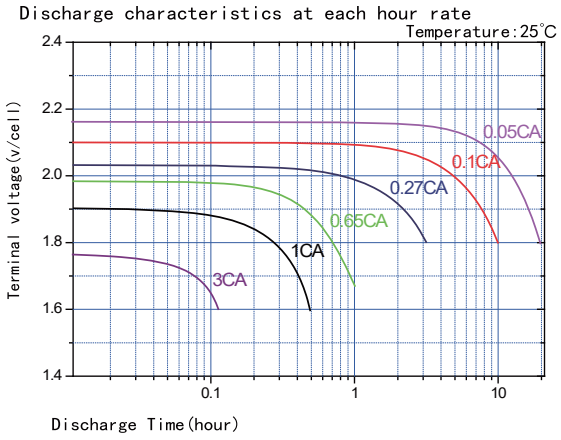
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

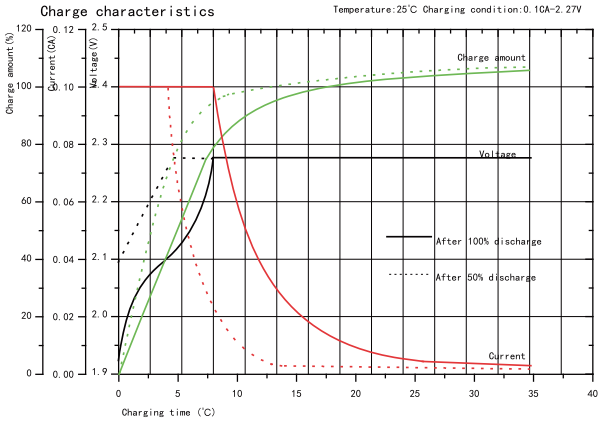
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	80Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	259(mm)×168(mm)×213(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	26.7kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M6
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

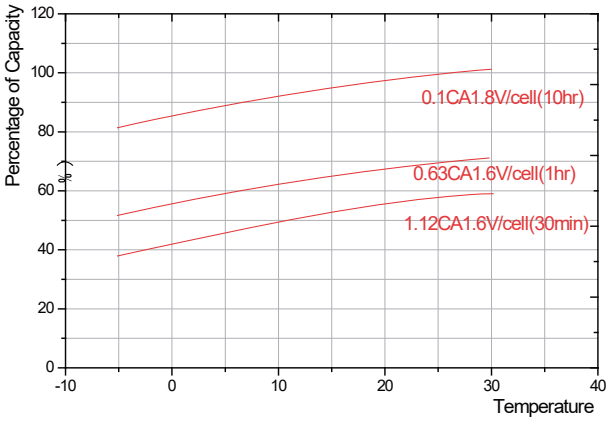
Discharge Characteristics Curve at 25°C



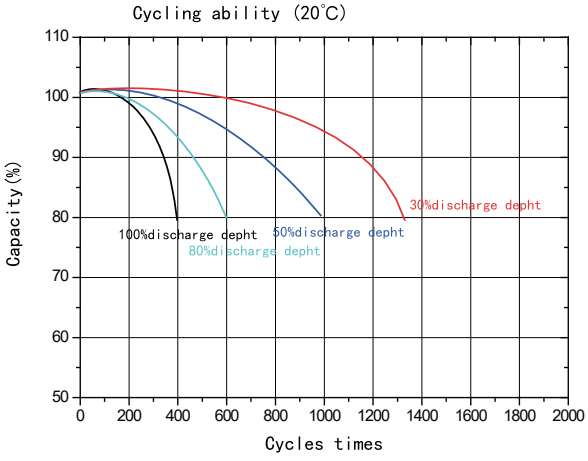
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

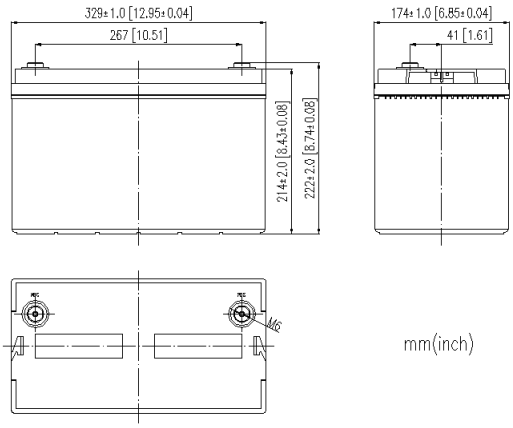
6GFMJ-100

GEL Battery (12V100Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

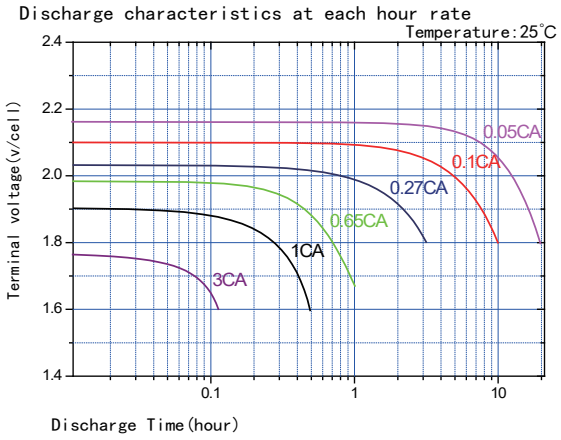
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

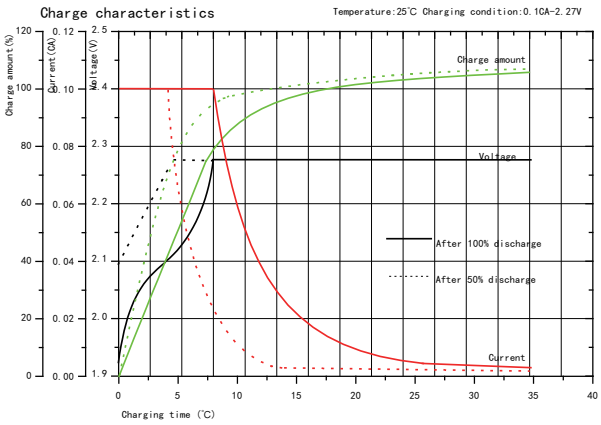
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	100Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	329(mm)×174(mm)×222(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	31.0kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M6
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

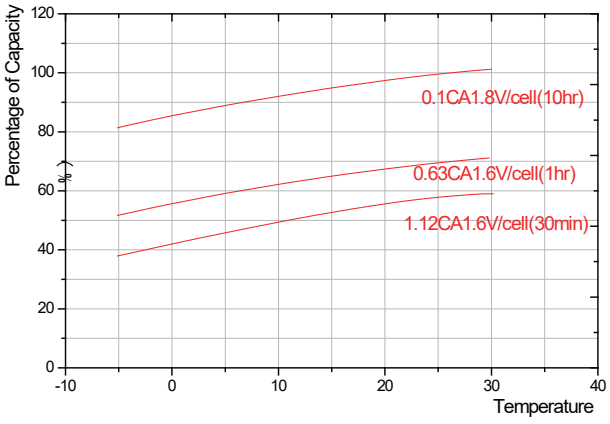
Discharge Characteristics Curve at 25°C



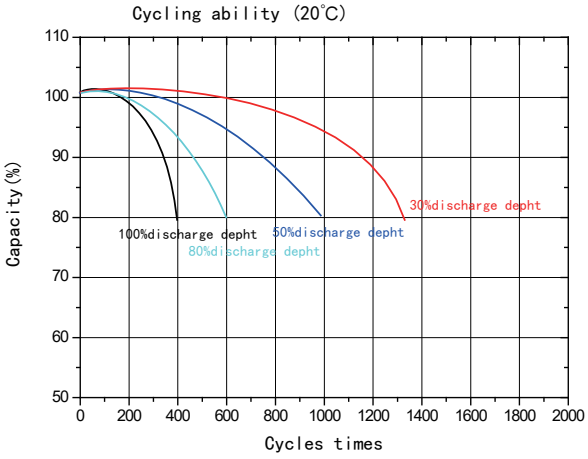
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

Pb Pb

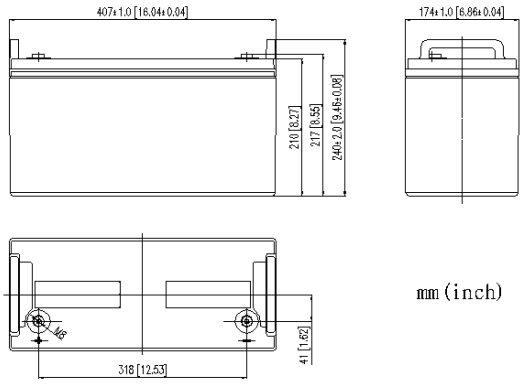
6GFMJ-120

GEL Battery (12V120Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



mm (inch)

Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

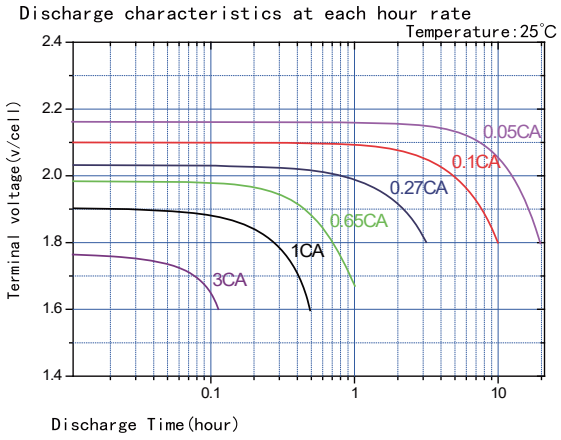
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

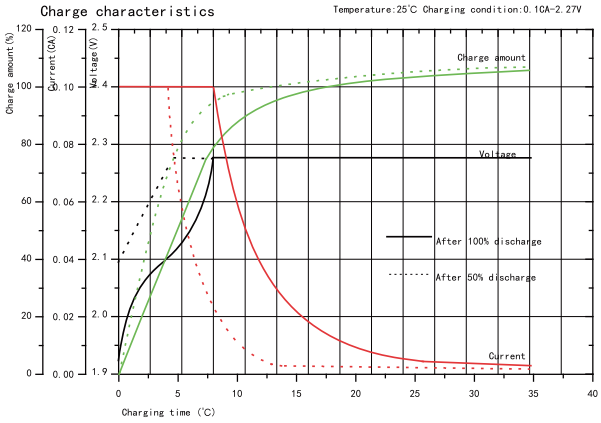
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	120Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	407(mm)×175(mm)×240(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	37.4kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

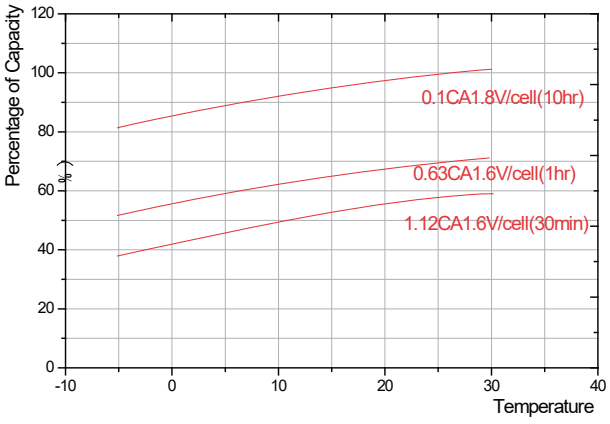
Discharge Characteristics Curve at 25°C



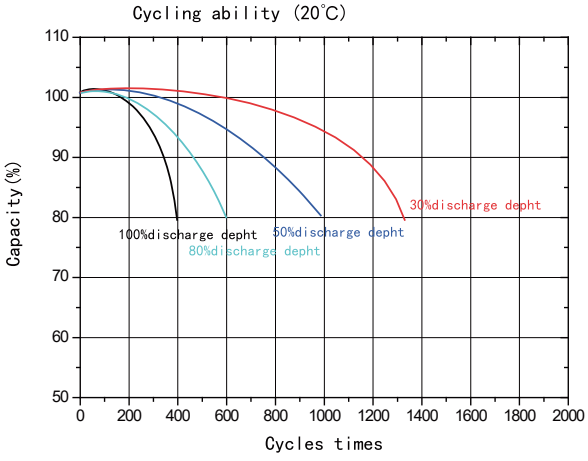
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

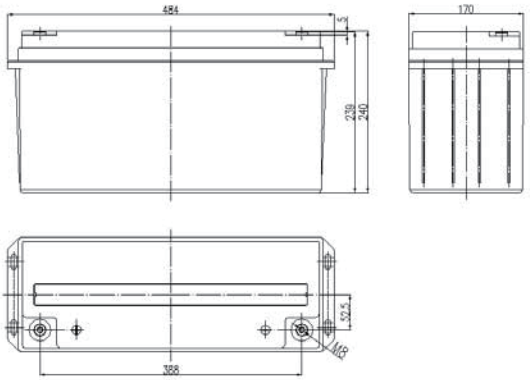
6GFMJ-150

GEL Battery (12V150Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

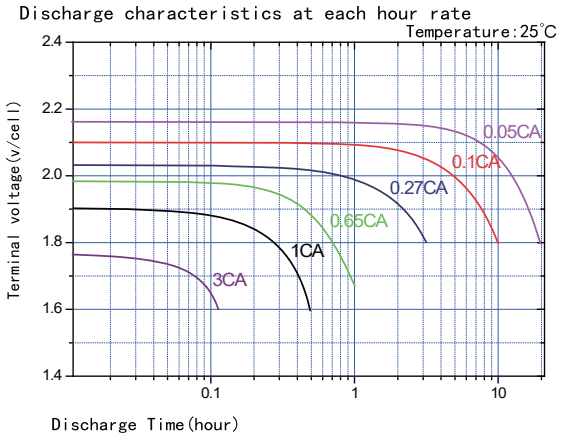
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

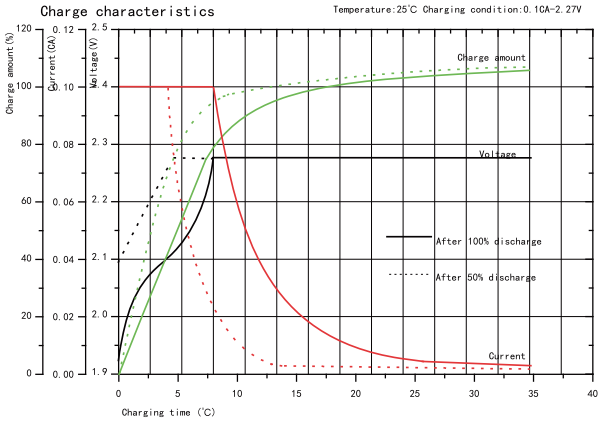
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	150Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	484(mm)×170(mm)×240(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	42.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

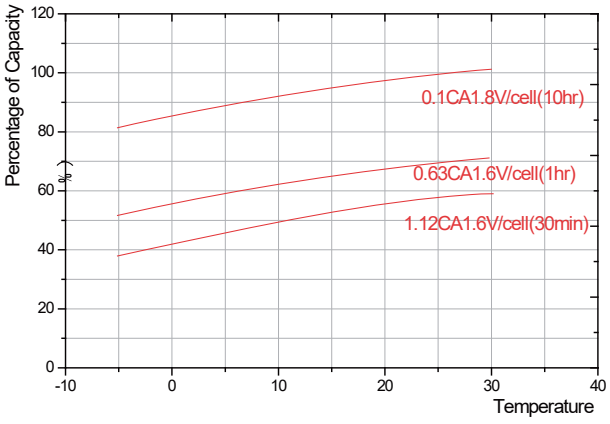
Discharge Characteristics Curve at 25°C



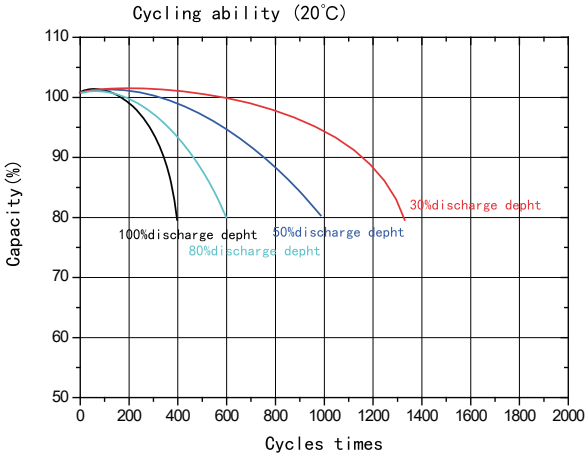
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

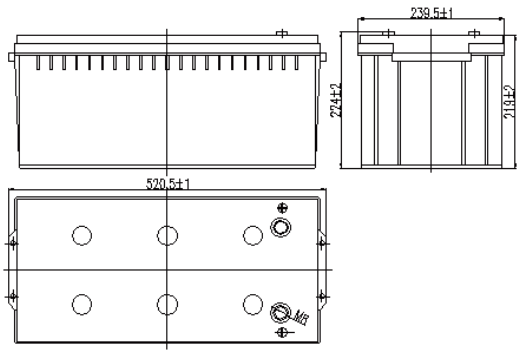
6GFMJ-200

GEL Battery (12V200Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

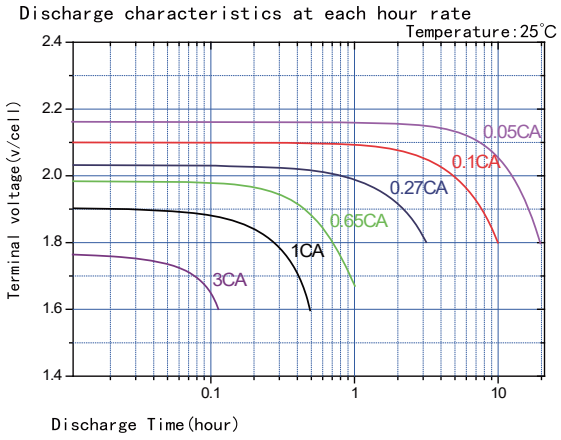
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

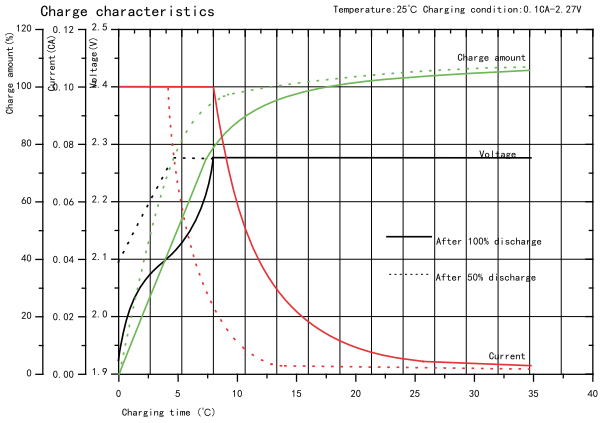
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	200Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	520(mm)×240(mm)×230(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	61.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

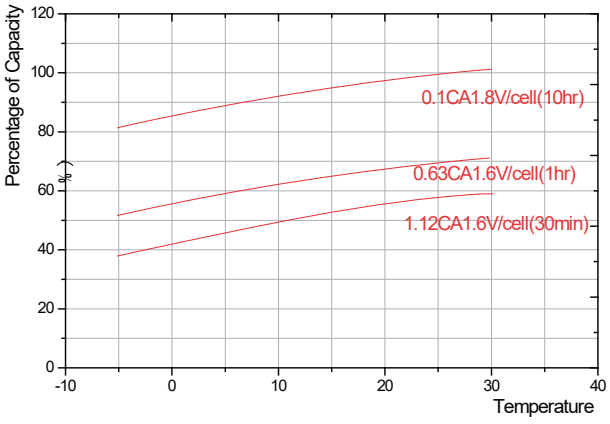
Discharge Characteristics Curve at 25°C



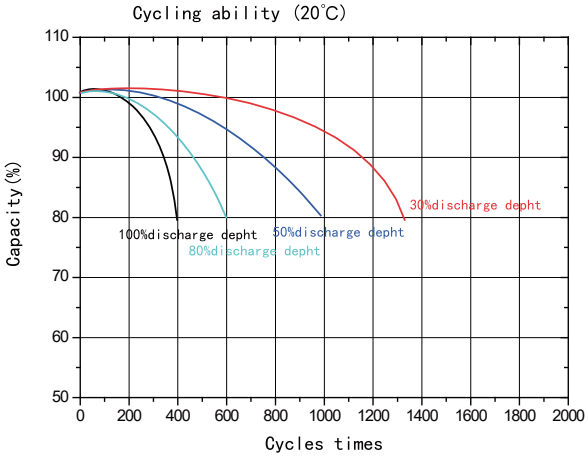
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

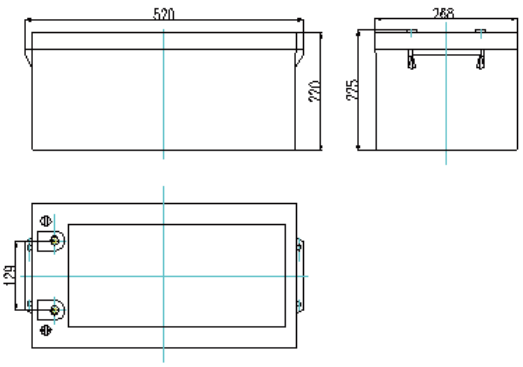
6GFMJ-250

GEL Battery (12V250Ah)

Features

- GEL battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively, over 50% of the cyclic performance of the lead-acid battery.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free GEL battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

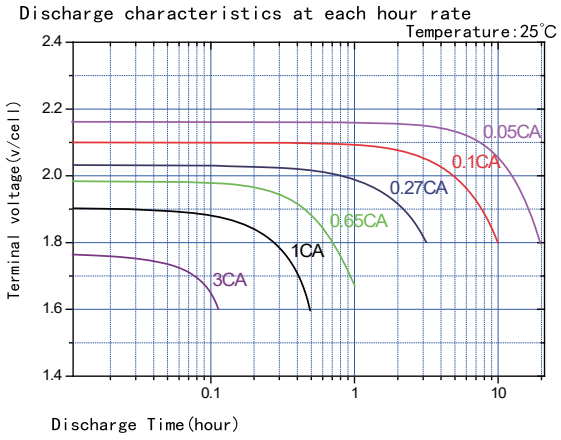
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

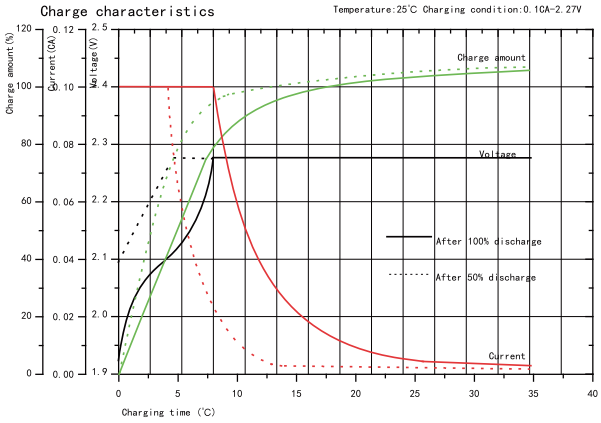
Type	GEL Battery
Nominal Voltage	12V
Rated Capacity	250Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	520(mm)×268(mm)×225(mm)
Design Life Time	≥10 Years
Approx Weight(kg)	77.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

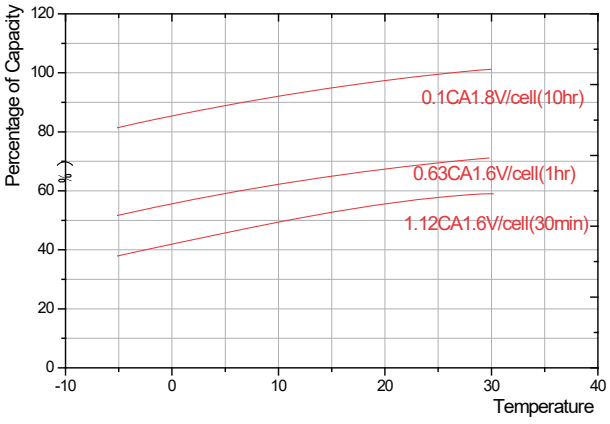
Discharge Characteristics Curve at 25°C



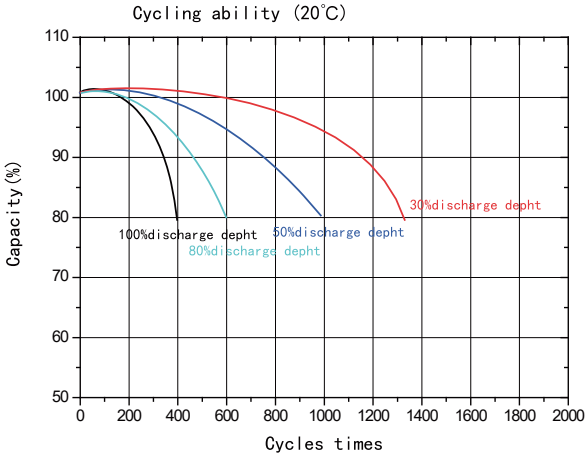
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

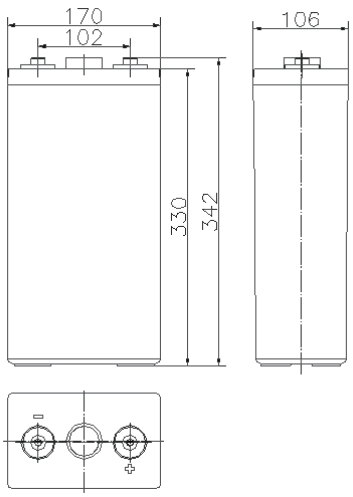
GFMJ-200

GEL Battery (2V200Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

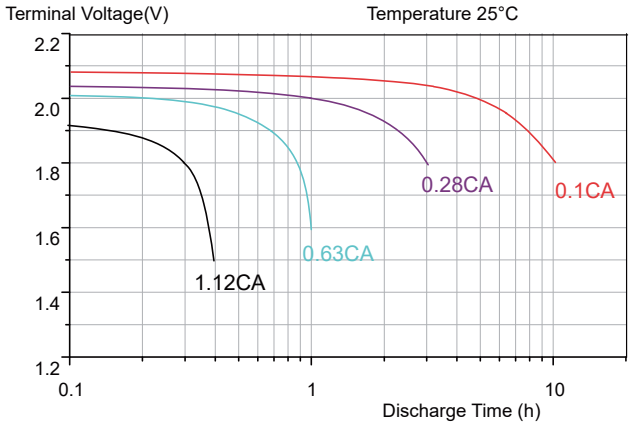


Specifications

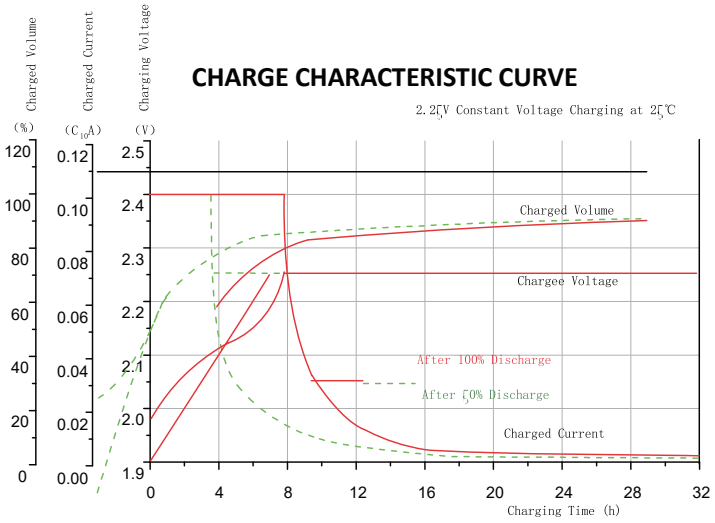
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	200Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	170(mm)*106(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	13.50kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥92%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 727*430*1016mm Horizontal48V: 784*336*952mm

TECHNICAL GRAPHS

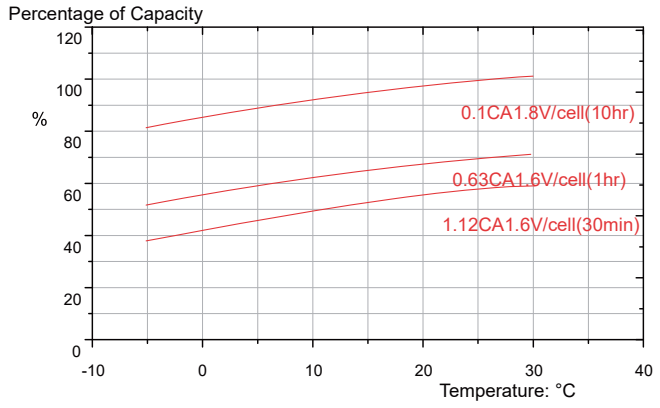
DISCHARGE CHARACTERISTIC CURVE



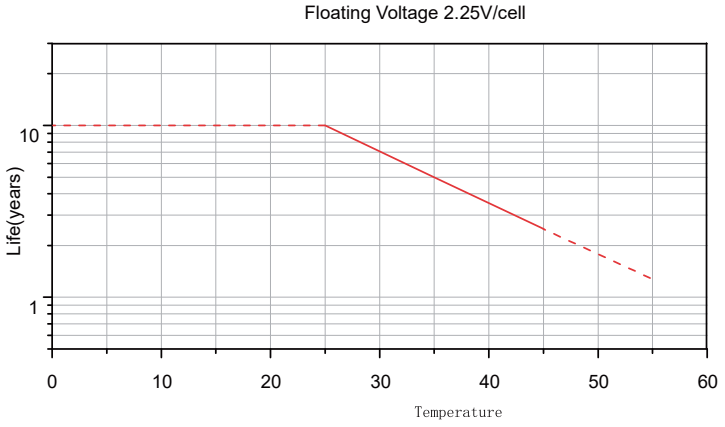
CHARGE CHARACTERISTIC CURVE



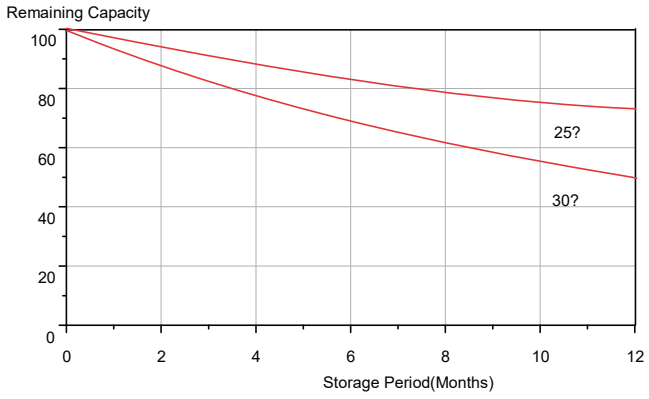
Temperature Vs. Capacity



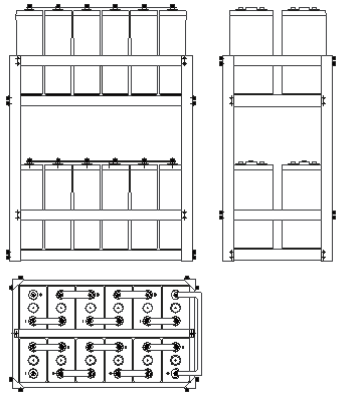
Accelerated Life Characteristic



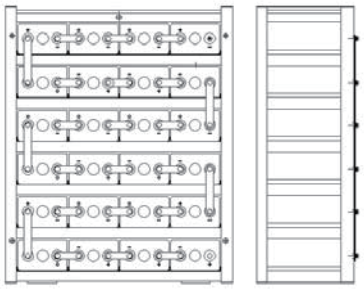
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

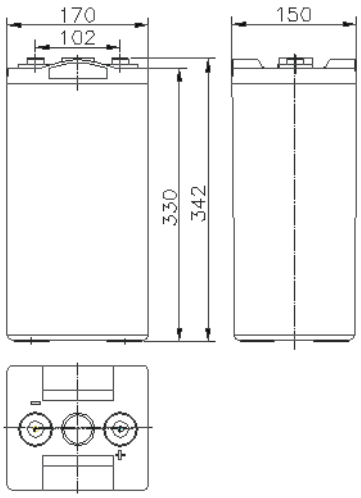
GFMJ-300

GEL Battery (2V300Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

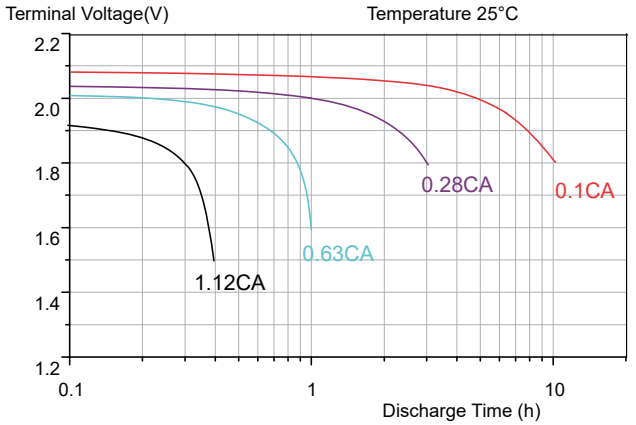


Specifications

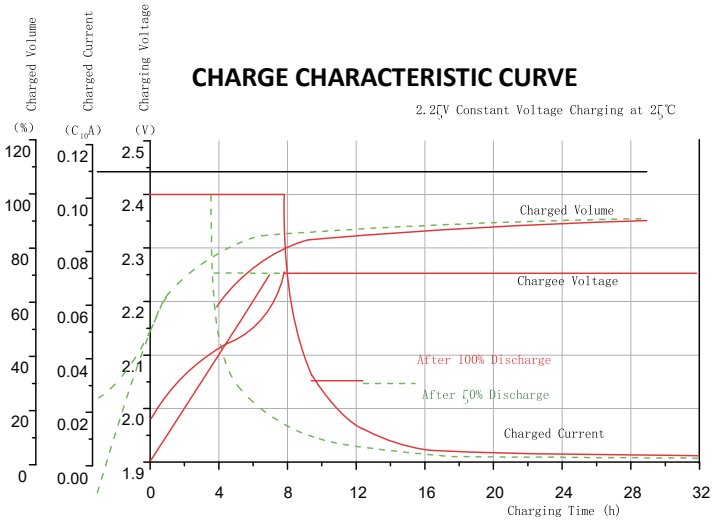
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	300Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	170(mm)*150(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	19.36kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥92%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1131×400×1026mm Horizontal48V: 750×340×1144mm

TECHNICAL GRAPHS

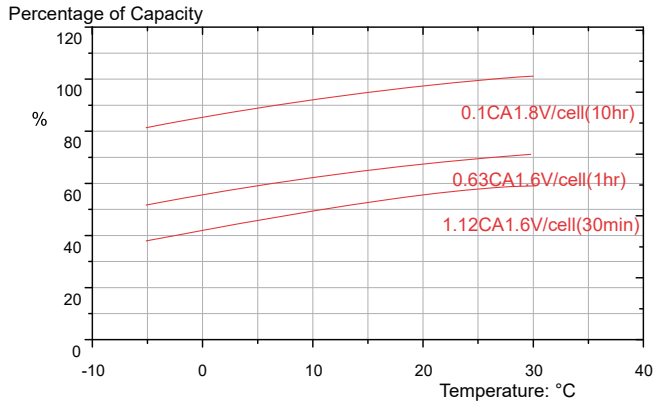
DISCHARGE CHARACTERISTIC CURVE



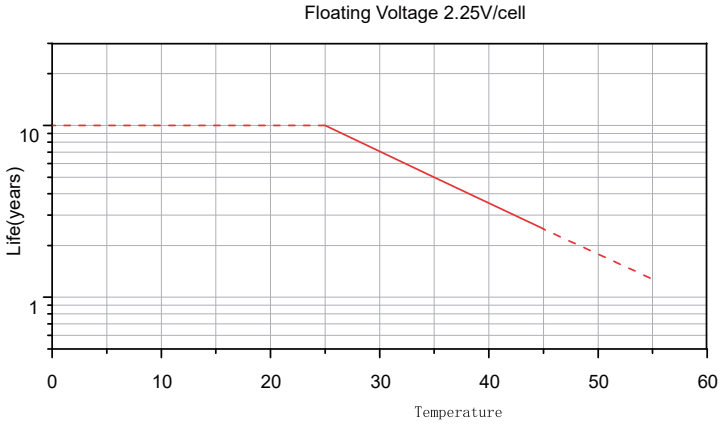
CHARGE CHARACTERISTIC CURVE



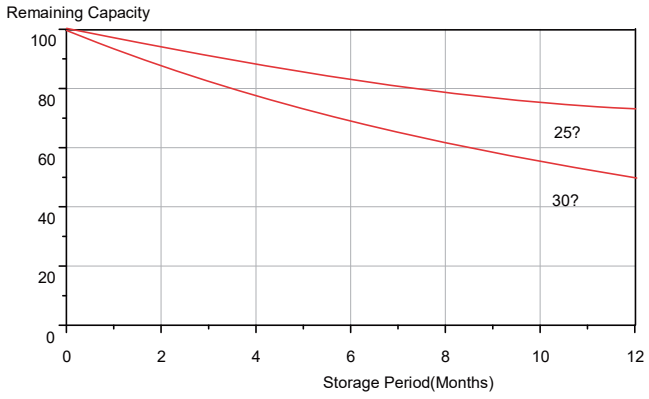
Temperature Vs. Capacity



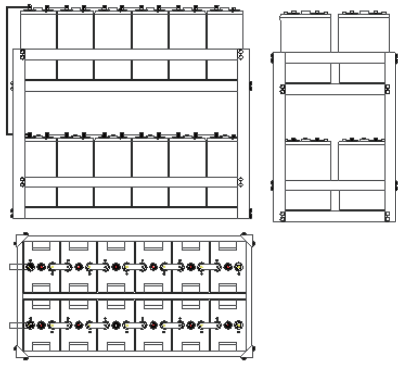
Accelerated Life Characteristic



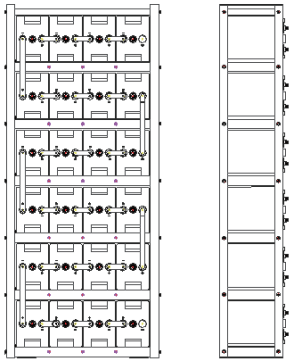
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

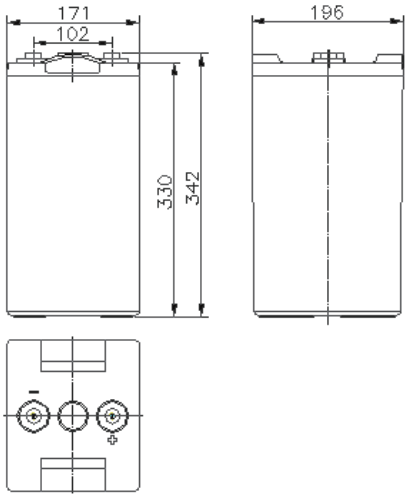
GFMJ-400

GEL Battery (2V400Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

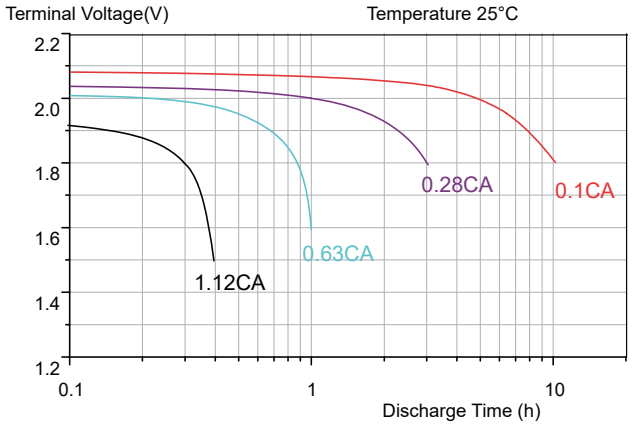


Specifications

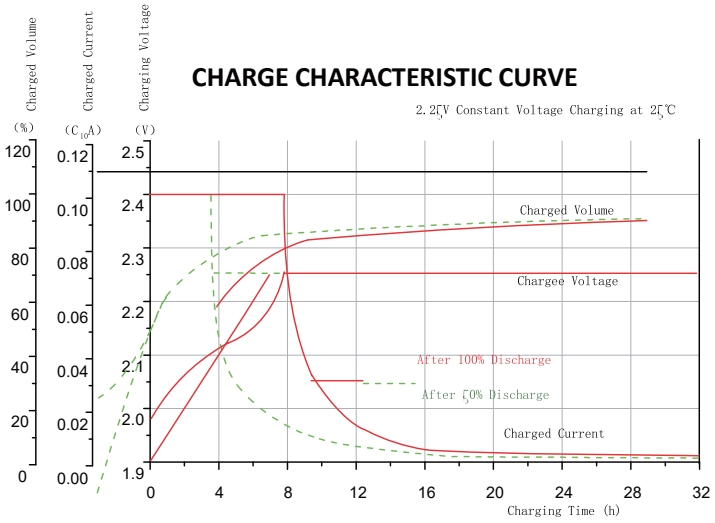
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	400Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	196(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	25.56kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1137×492×1028mm Horizontal48V: 754×340×1424mm

TECHNICAL GRAPHS

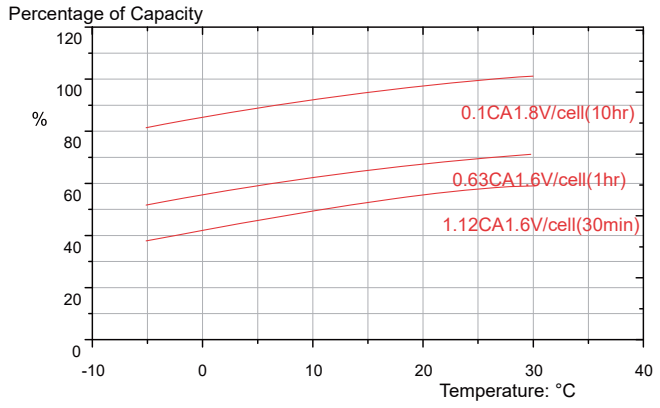
DISCHARGE CHARACTERISTIC CURVE



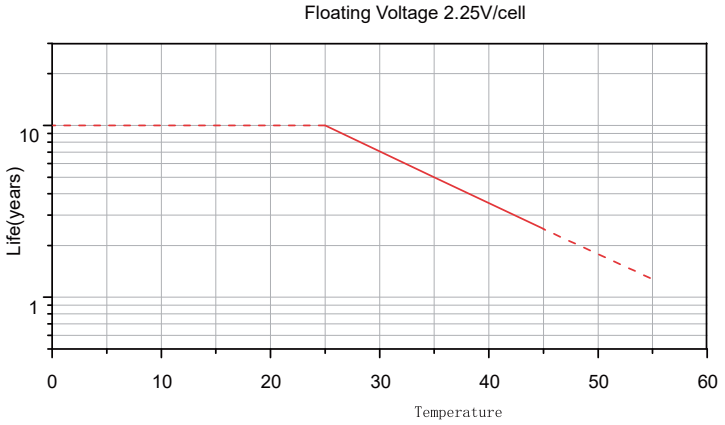
CHARGE CHARACTERISTIC CURVE



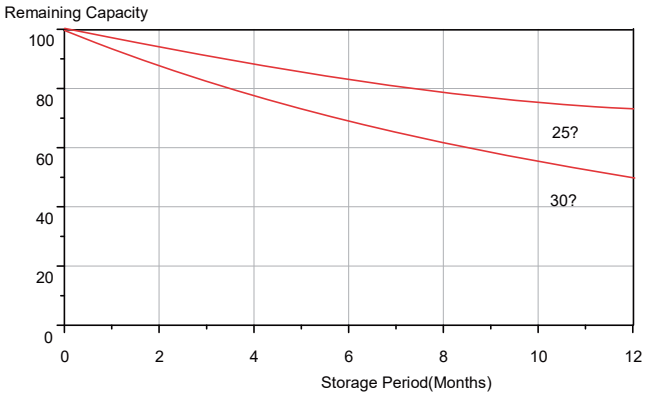
Temperature Vs. Capacity



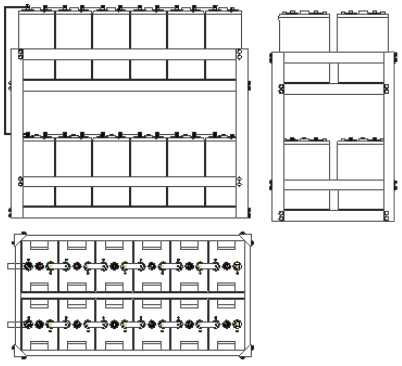
Accelerated Life Characteristic



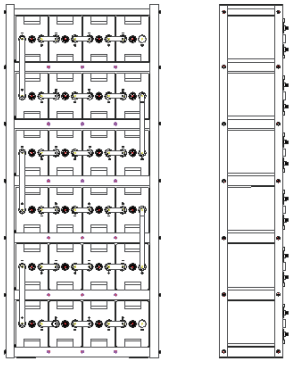
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

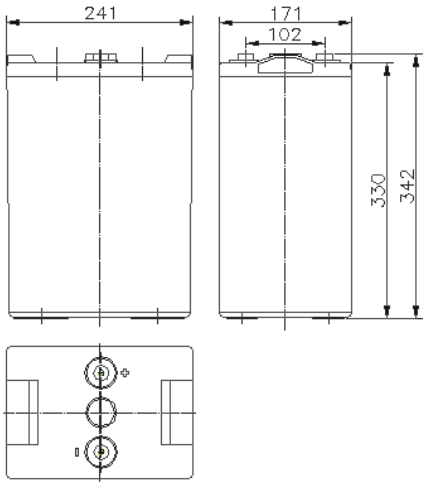
GFMJ-500

GEL Battery (2V500Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

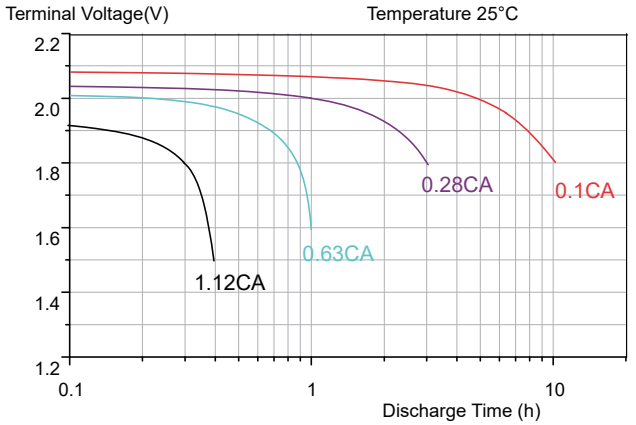


Specifications

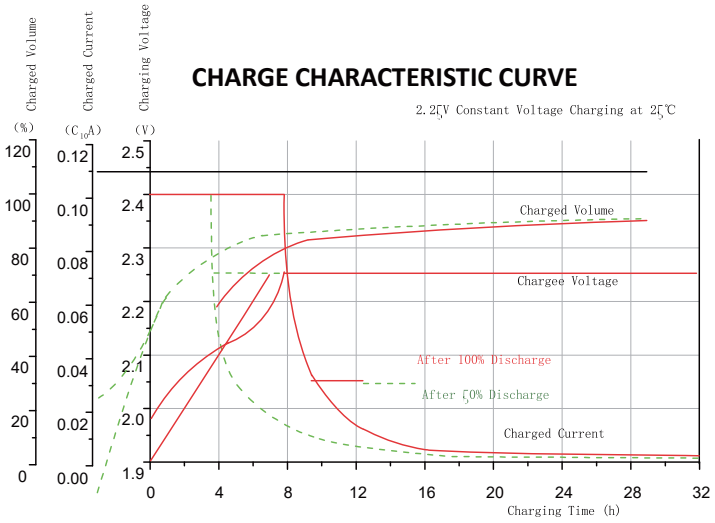
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	500Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	241(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	31.5kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1137×311×1028mm Horizontal48V: 754×340×1710mm

TECHNICAL GRAPHS

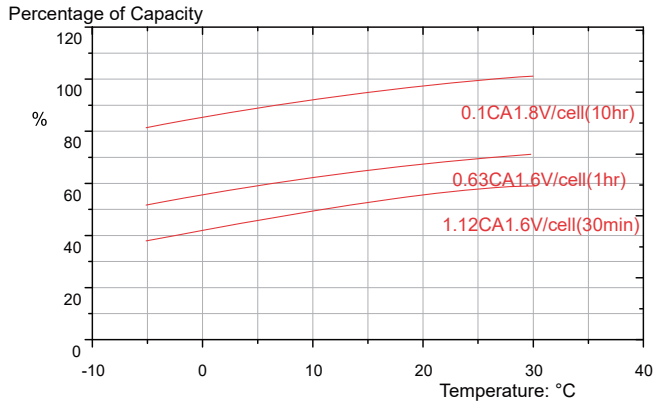
DISCHARGE CHARACTERISTIC CURVE



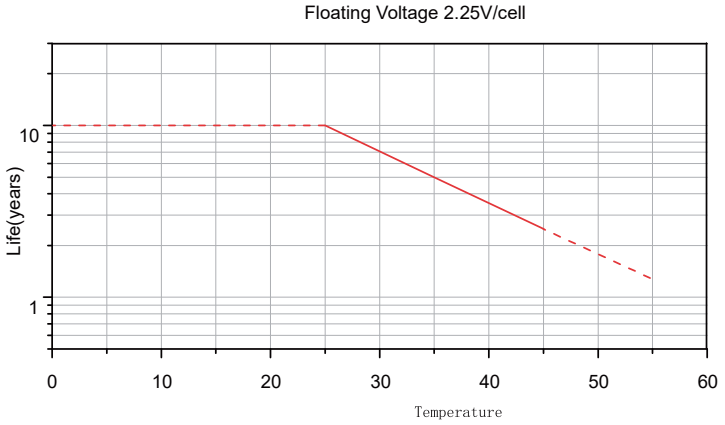
CHARGE CHARACTERISTIC CURVE



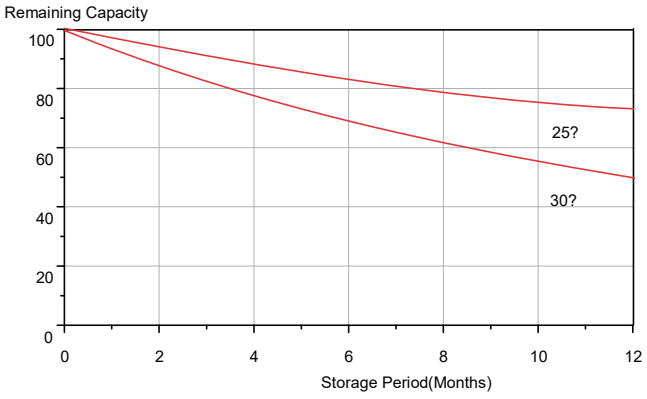
Temperature Vs. Capacity



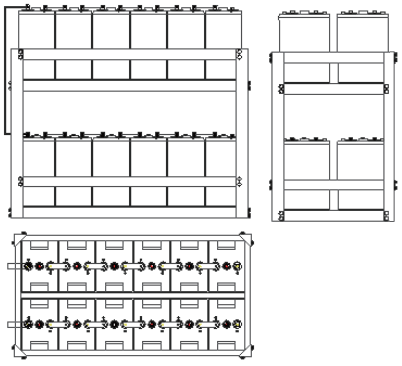
Accelerated Life Characteristic



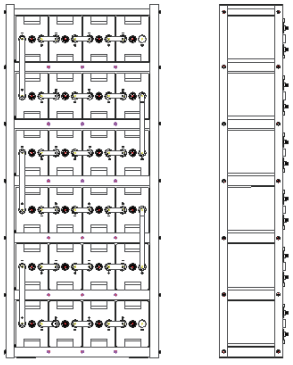
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

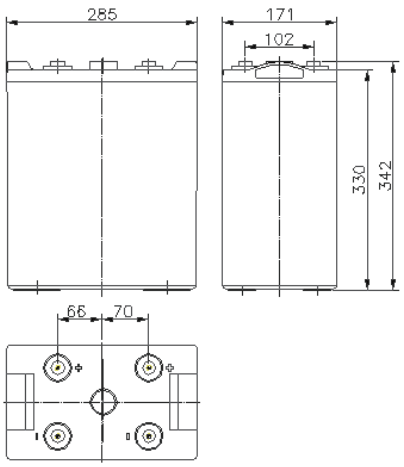
GFMJ-600

GEL Battery (2V600Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

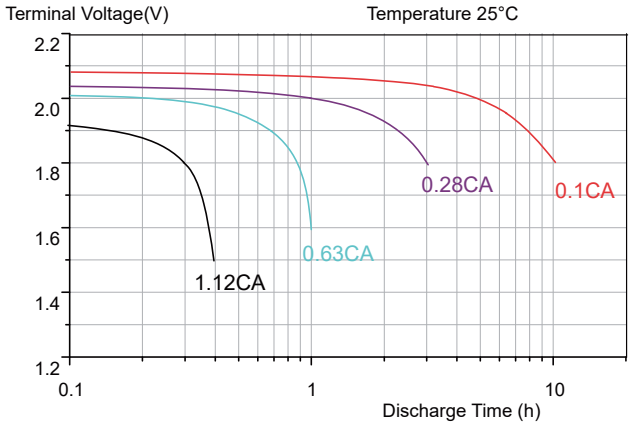


Specifications

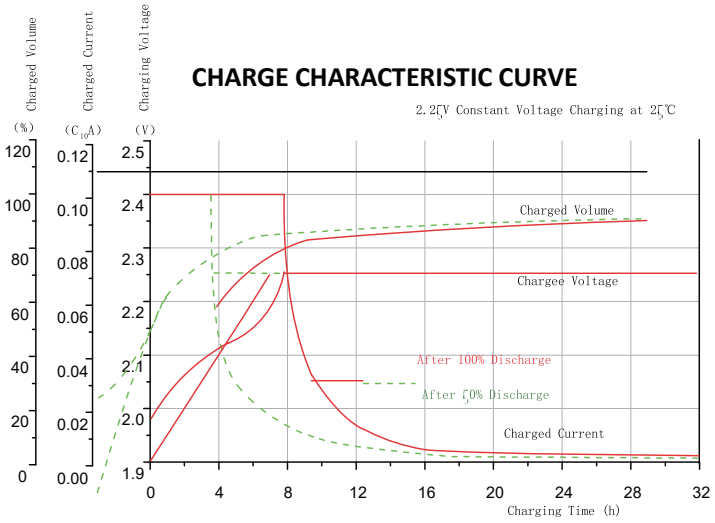
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	600Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	285(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	37.82kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1195*680*1038mm Horizontal48V: 749*340*1132mm

TECHNICAL GRAPHS

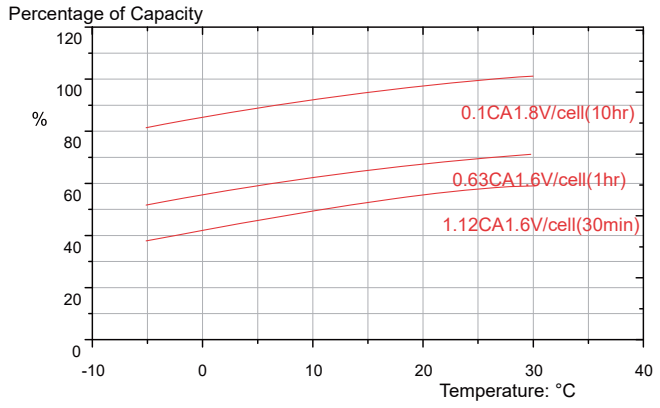
DISCHARGE CHARACTERISTIC CURVE



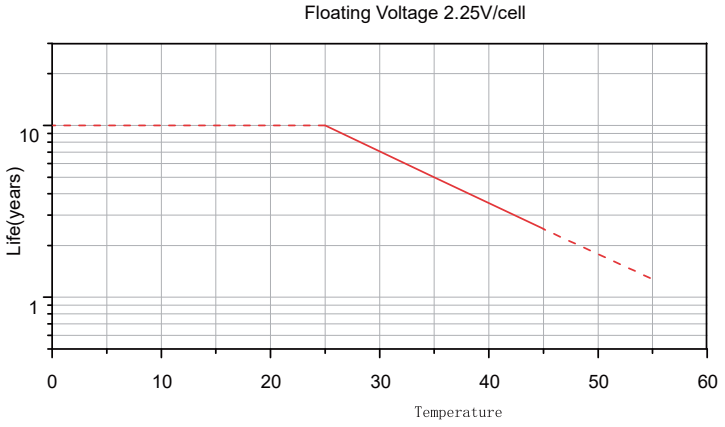
CHARGE CHARACTERISTIC CURVE



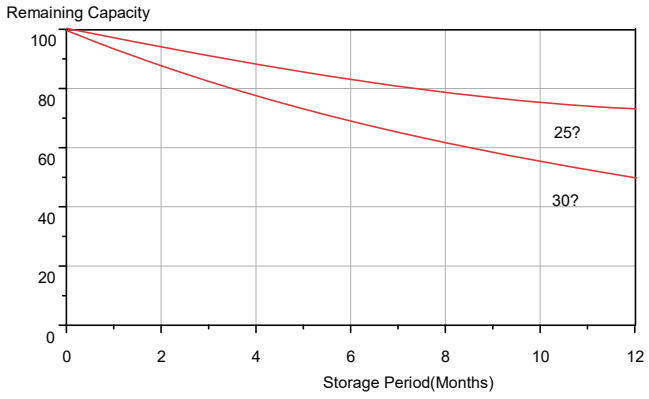
Temperature Vs. Capacity



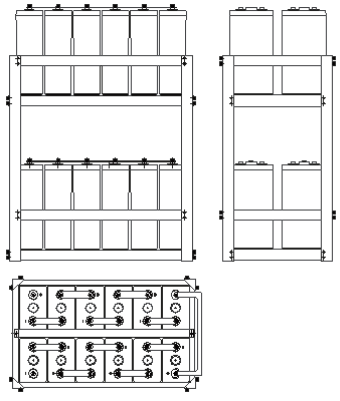
Accelerated Life Characteristic



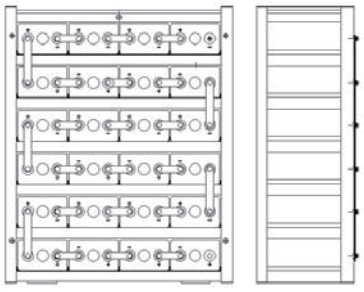
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

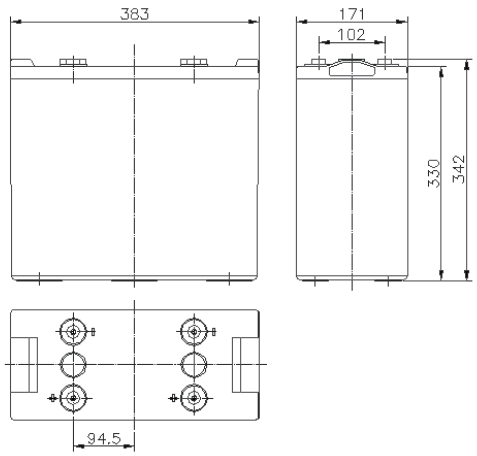
GFMJ-800

GEL Battery (2V800Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

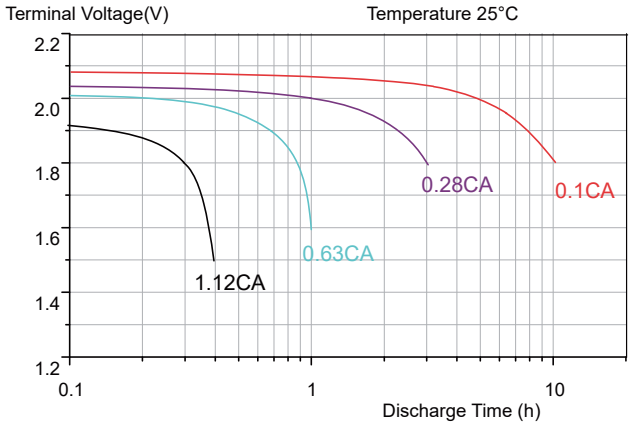


Specifications

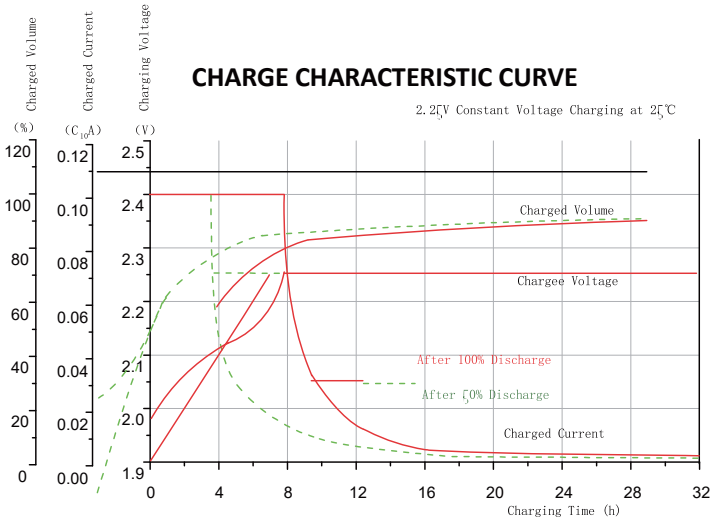
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	800Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	383(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	50.92kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×876×1038mm

TECHNICAL GRAPHS

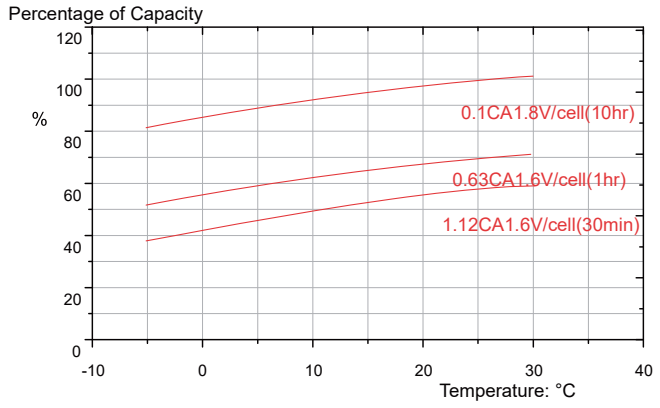
DISCHARGE CHARACTERISTIC CURVE



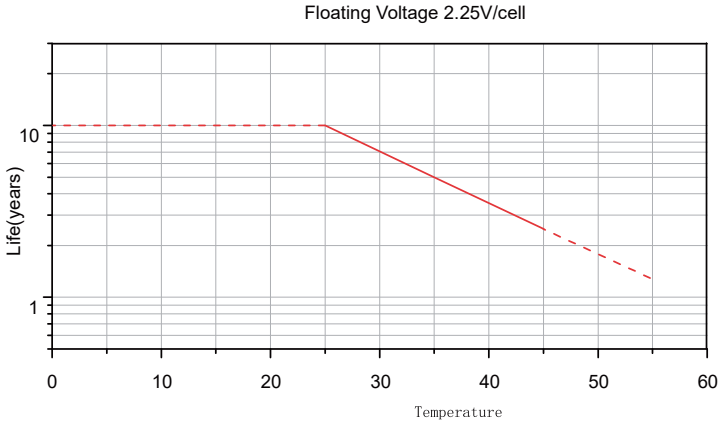
CHARGE CHARACTERISTIC CURVE



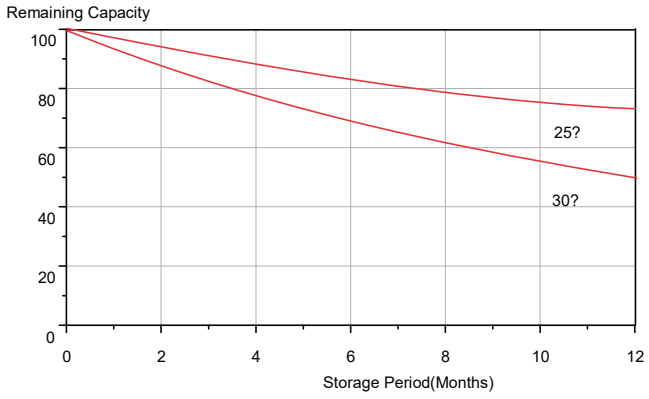
Temperature Vs. Capacity



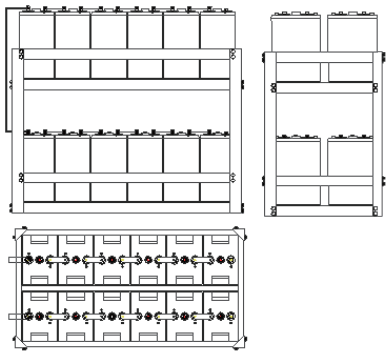
Accelerated Life Characteristic



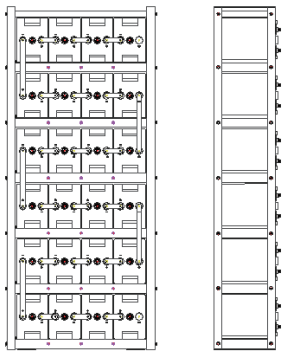
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

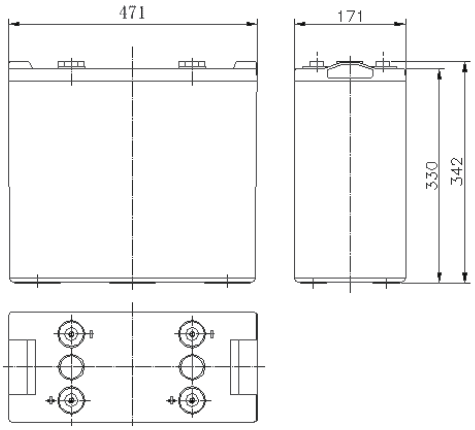
GFMJ-1000

GEL Battery (2V1000Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

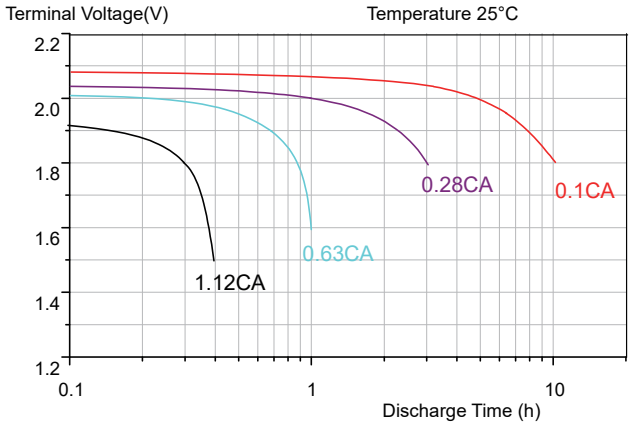


Specifications

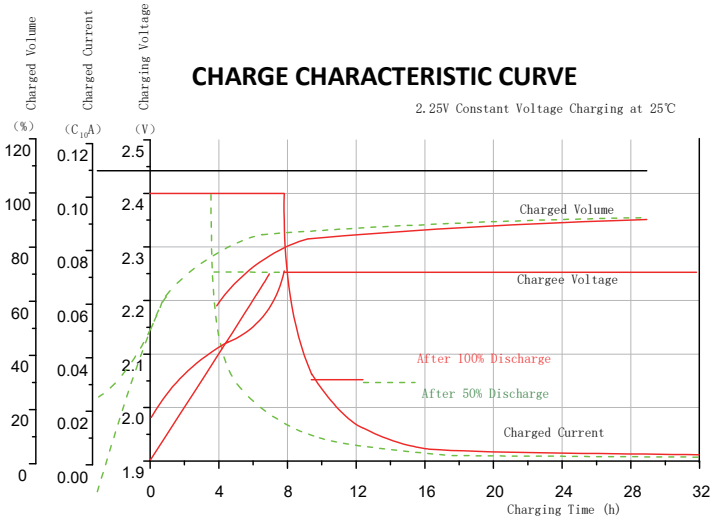
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	1000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	471(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	62.83kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×1052×1053mm

TECHNICAL GRAPHS

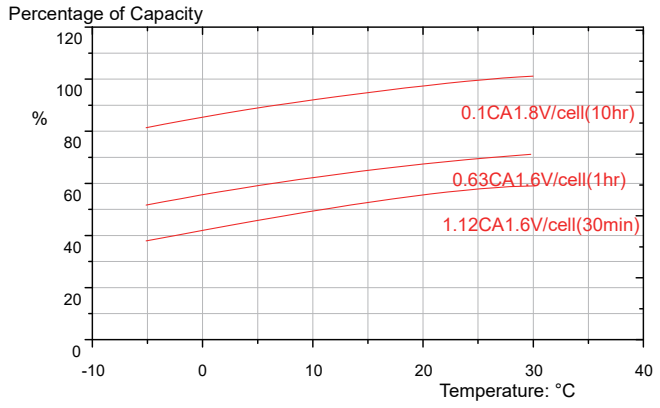
DISCHARGE CHARACTERISTIC CURVE



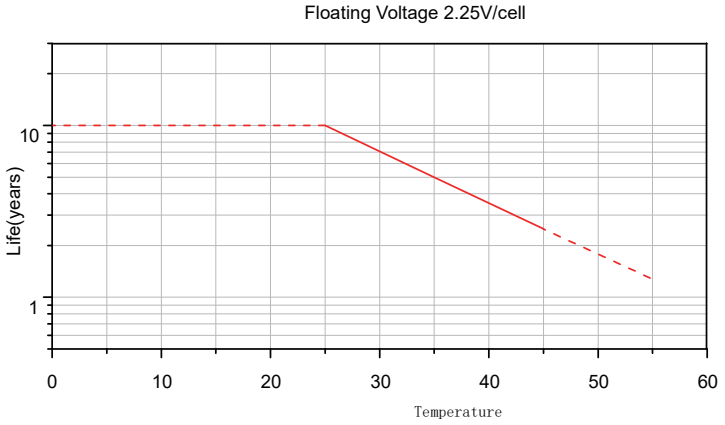
CHARGE CHARACTERISTIC CURVE



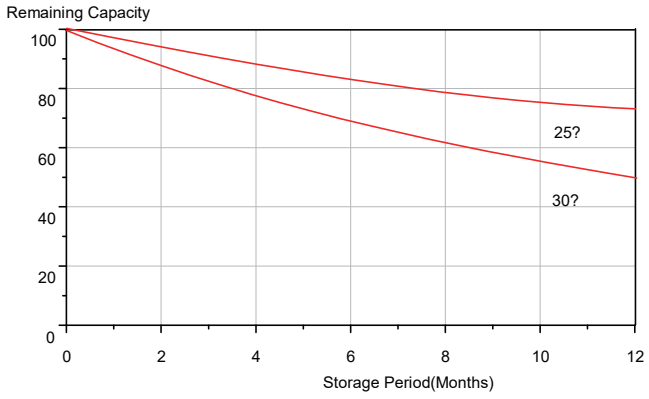
Temperature Vs. Capacity



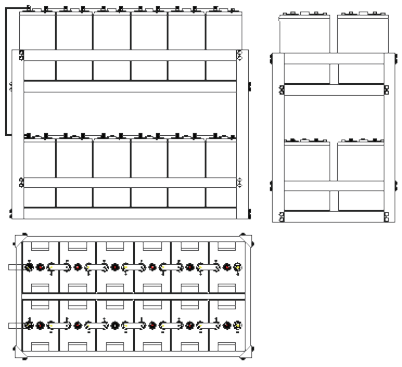
Accelerated Life Characteristic



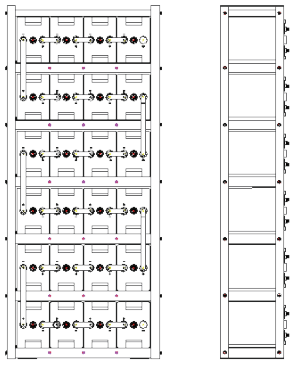
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

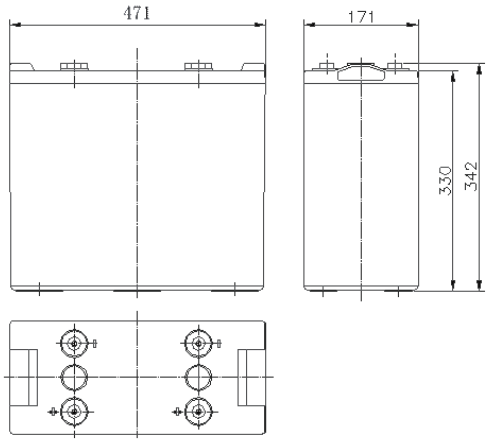
GFMJ-1200

GEL Battery (2V1200Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

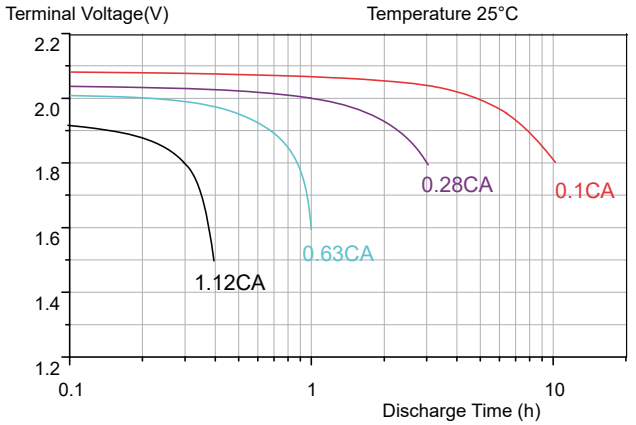


Specifications

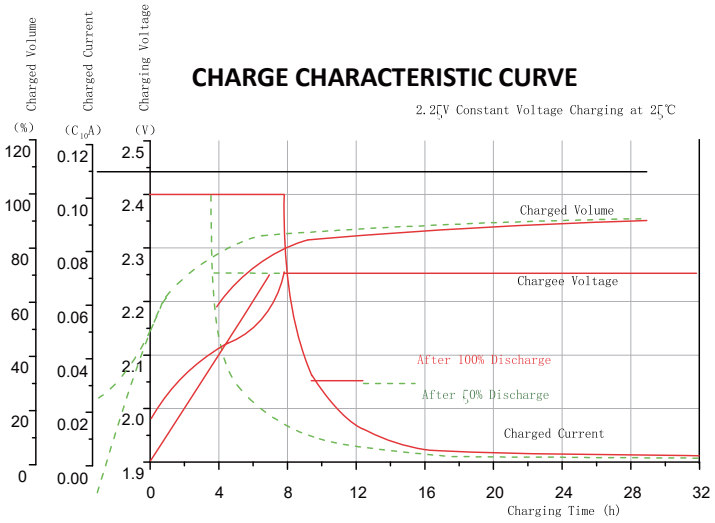
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	1200Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	471(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	68.5kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×1052×1053mm

TECHNICAL GRAPHS

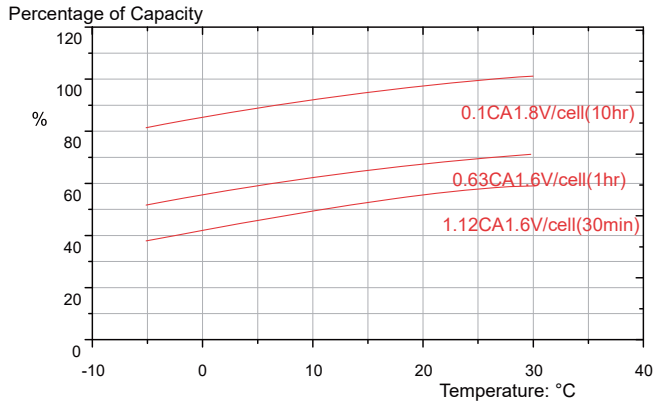
DISCHARGE CHARACTERISTIC CURVE



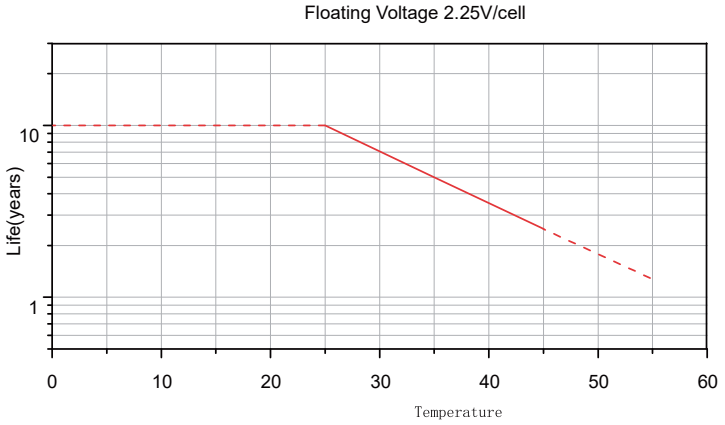
CHARGE CHARACTERISTIC CURVE



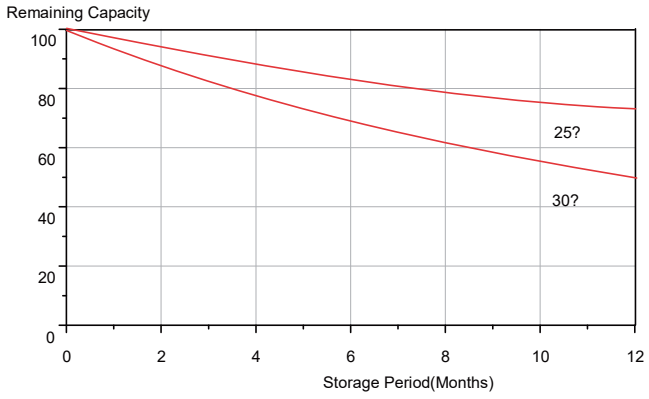
Temperature Vs. Capacity



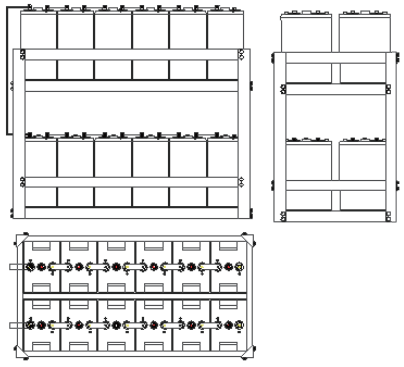
Accelerated Life Characteristic



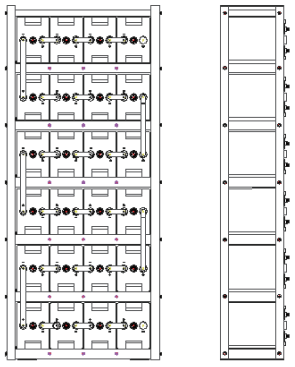
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

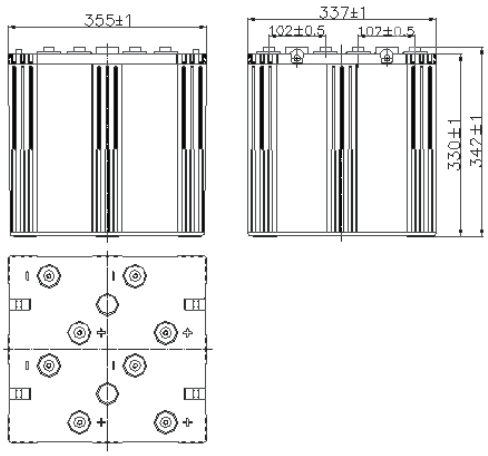
GFMJ-1500

GEL Battery (2V1500Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

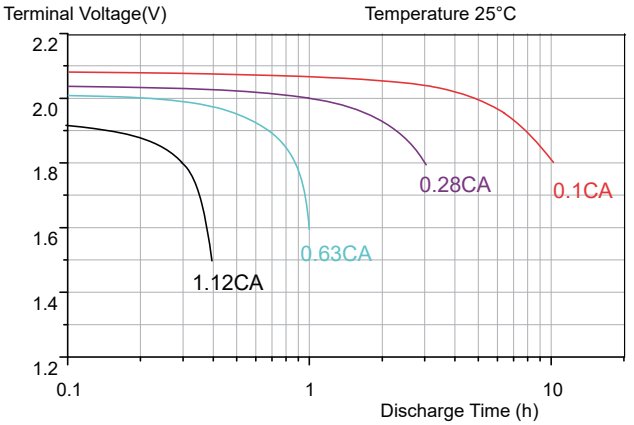


Specifications

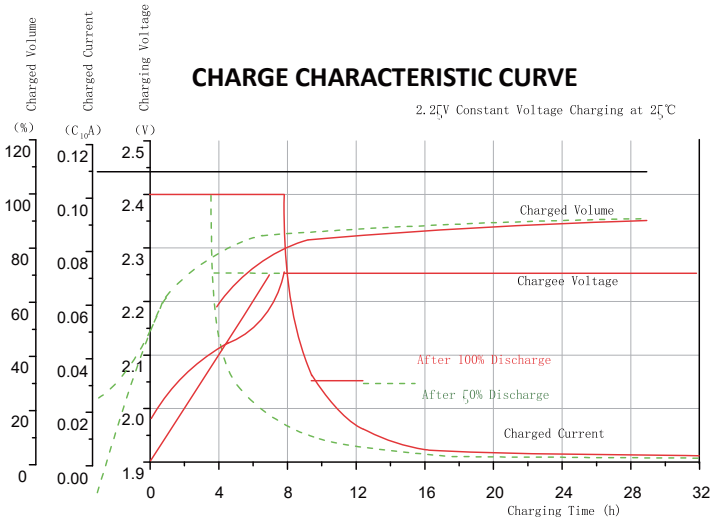
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	1500Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	355(mm)*337(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	93.23kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 24V: 1195×770×1048.5mm

TECHNICAL GRAPHS

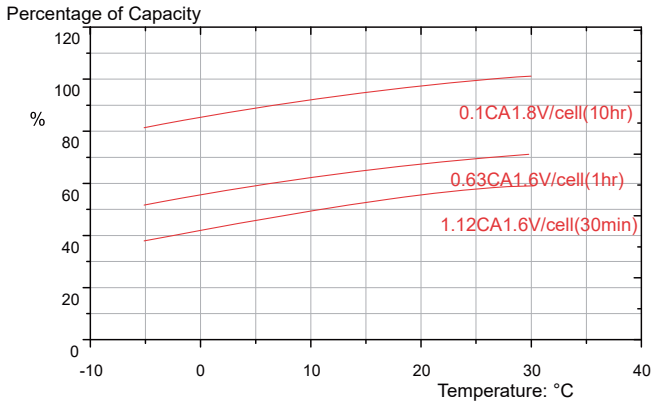
DISCHARGE CHARACTERISTIC CURVE



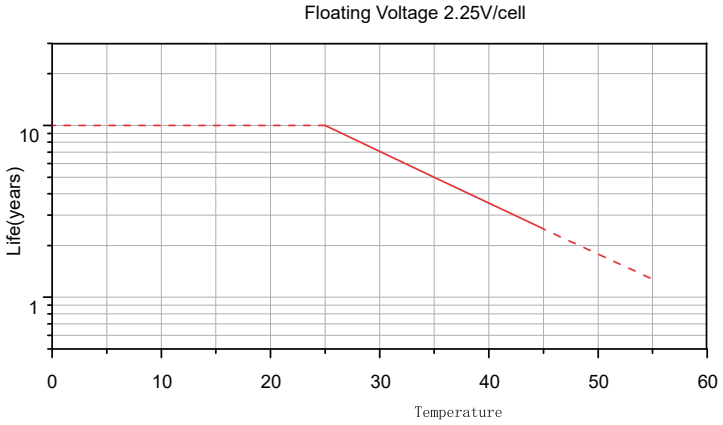
CHARGE CHARACTERISTIC CURVE



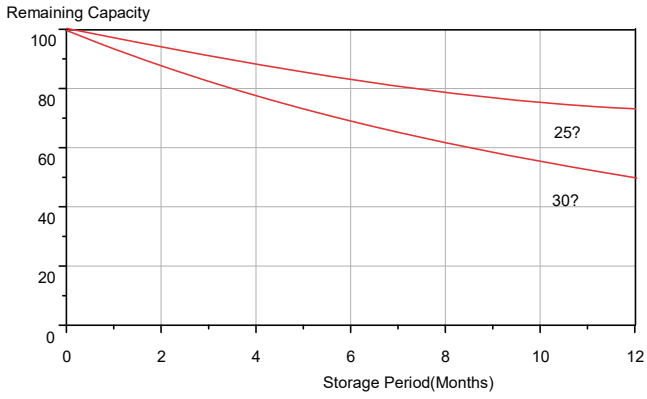
Temperature Vs. Capacity



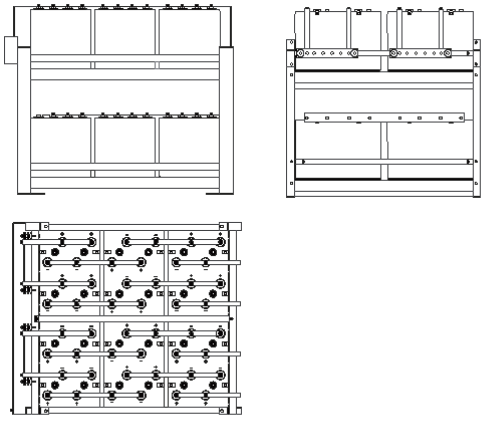
Accelerated Life Characteristic



Self-discharge Characteristics



Installation Diagram



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

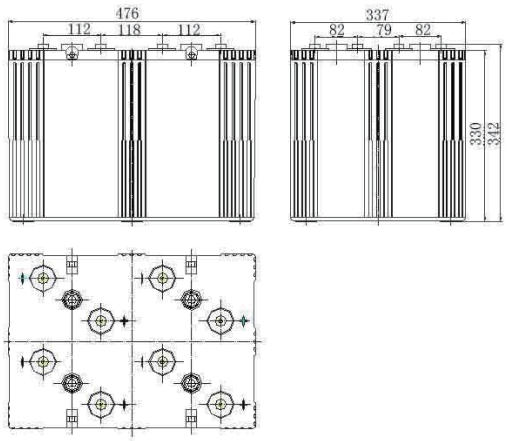
GFMJ-2000

GEL Battery (2V2000Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

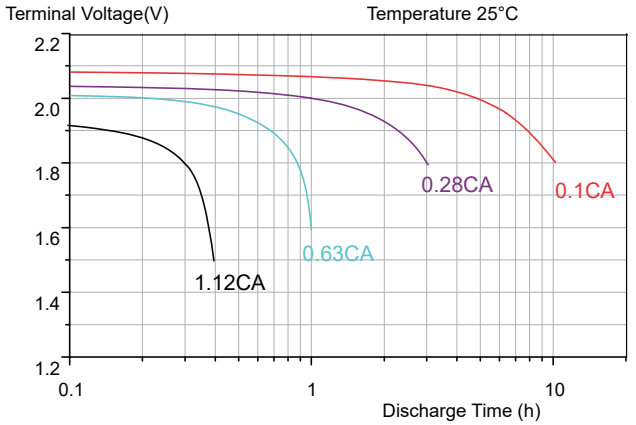


Specifications

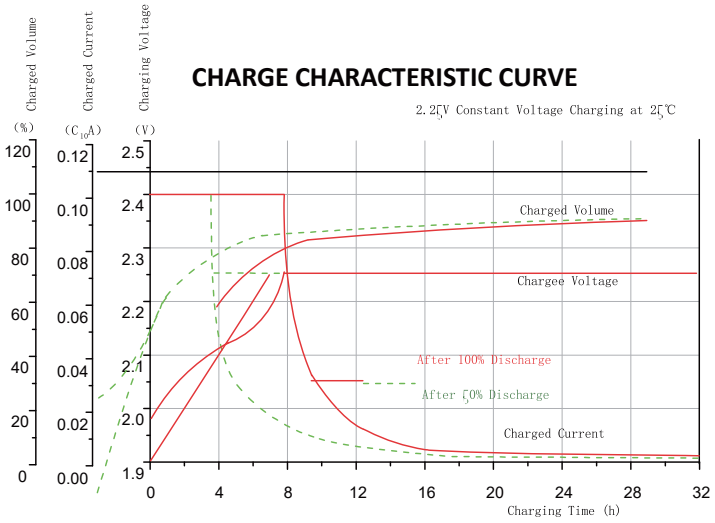
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	2000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	476(mm)*337(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	124.49kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	24V: 1195×1072×1051.5mm

TECHNICAL GRAPHS

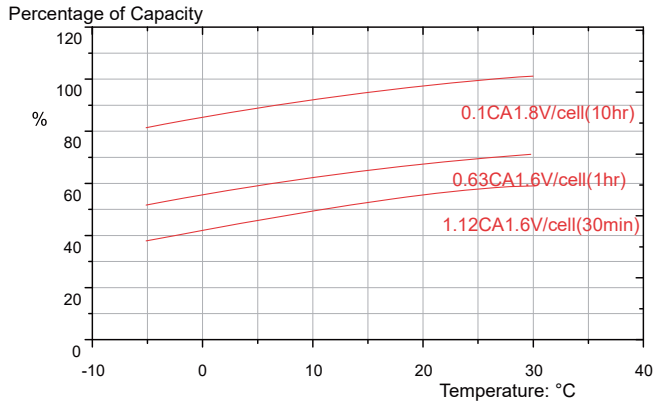
DISCHARGE CHARACTERISTIC CURVE



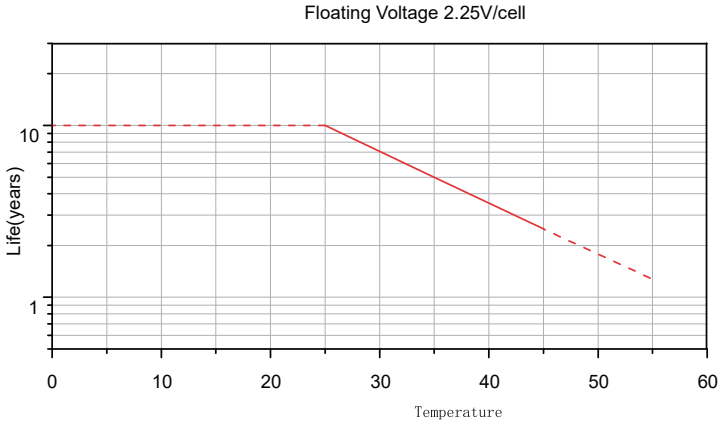
CHARGE CHARACTERISTIC CURVE



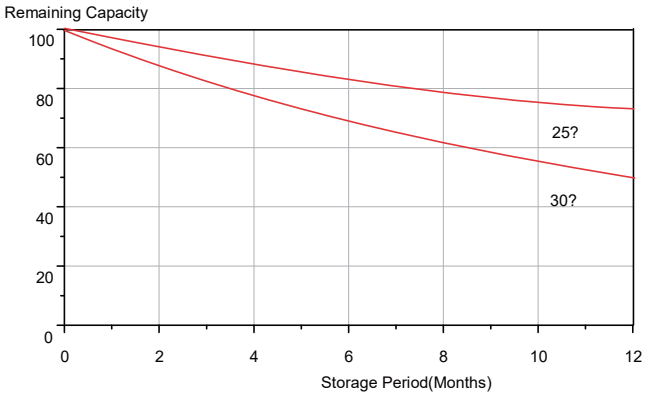
Temperature Vs. Capacity



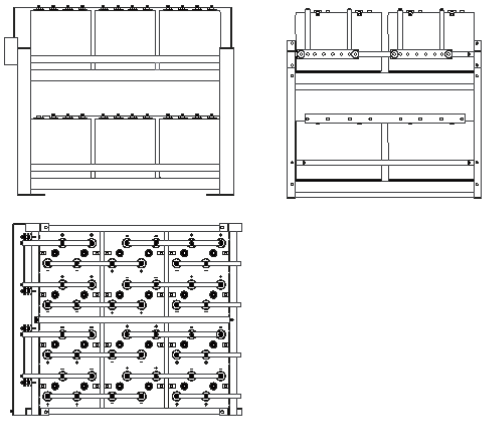
Accelerated Life Characteristic



Self-discharge Characteristics



Installation Diagram



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

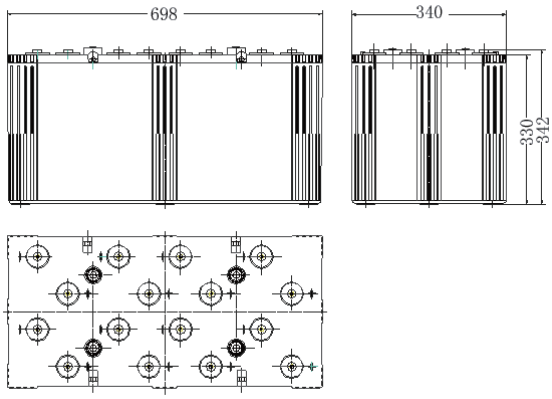
GFMJ-3000

GEL Battery (2V3000Ah)

Features

- Gel battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

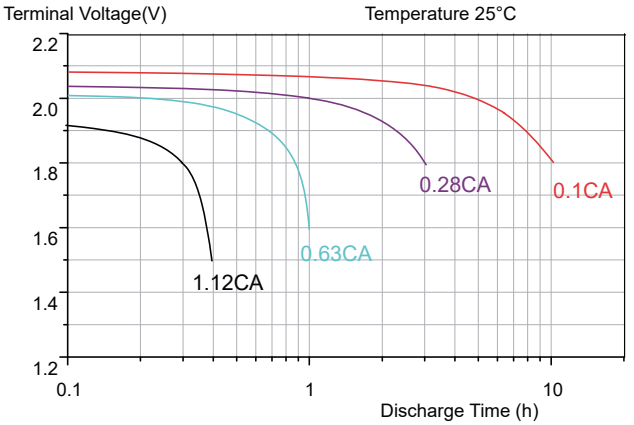


Specifications

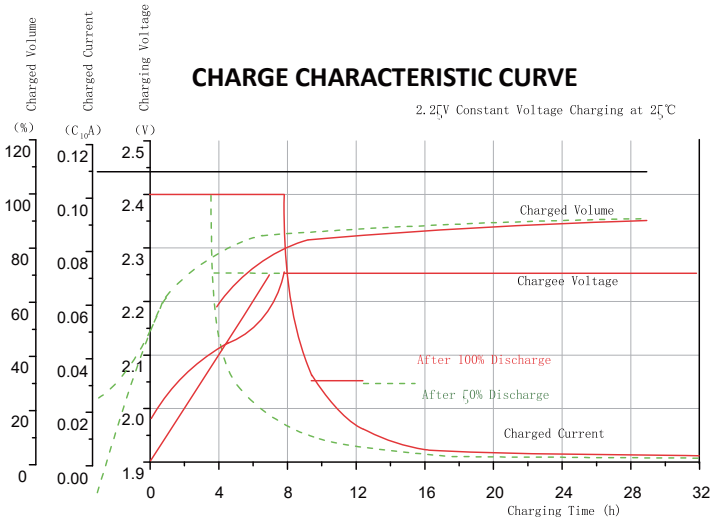
Battery Type	GEL Battery
Nominal Voltage	2V
Nominal Capacity	3000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	696(mm)*340(mm)*342(mm)
Designed Life(Float charge, 25°C)	10 Years
The reference weight	186.87kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	12V: 1185×800×1045mm

TECHNICAL GRAPHS

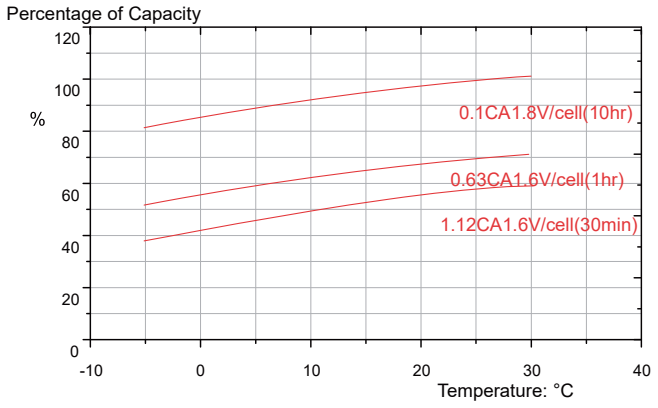
DISCHARGE CHARACTERISTIC CURVE



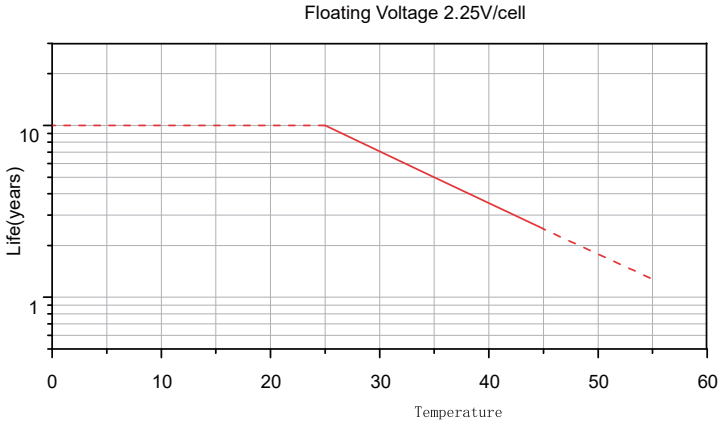
CHARGE CHARACTERISTIC CURVE



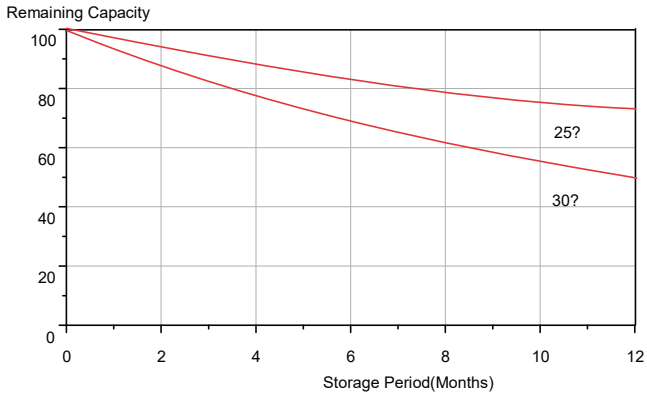
Temperature Vs. Capacity



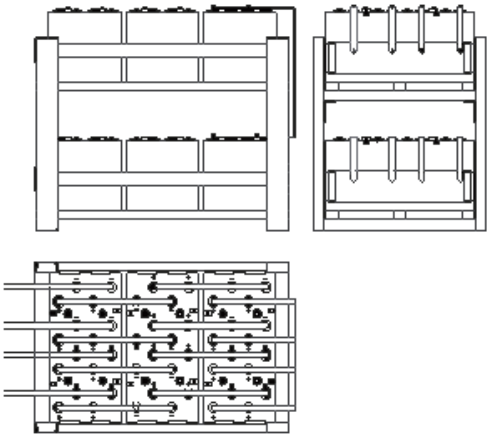
Accelerated Life Characteristic



Self-discharge Characteristics



Installation Diagram



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

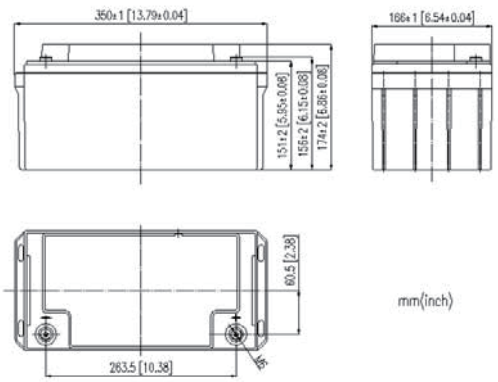
6GFM-65

VRLA Battery (12V65Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

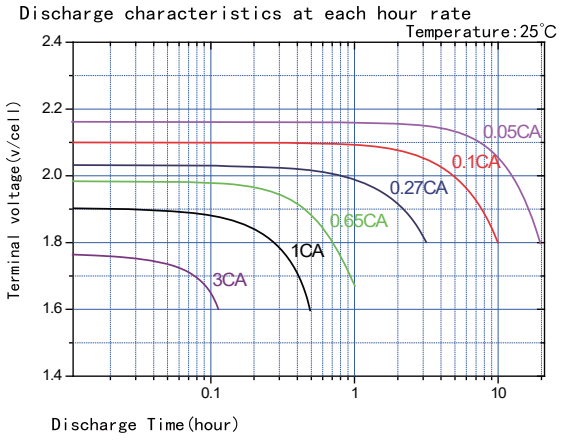
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

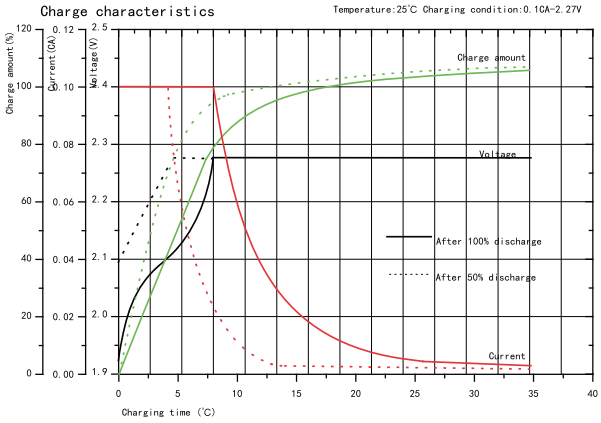
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	65Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	350(mm)×166(mm)×174(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	19.9kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M6
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

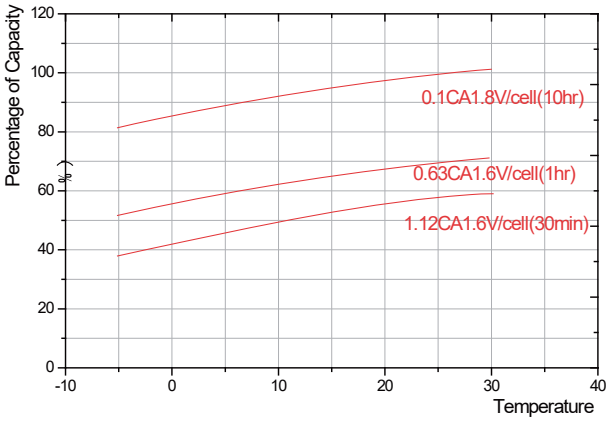
Discharge Characteristics Curve at 25°C



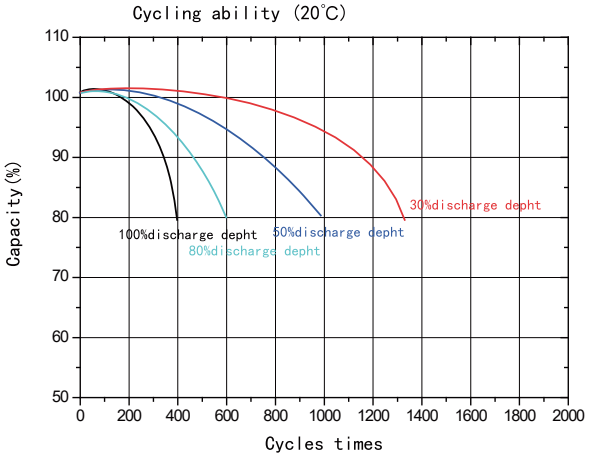
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

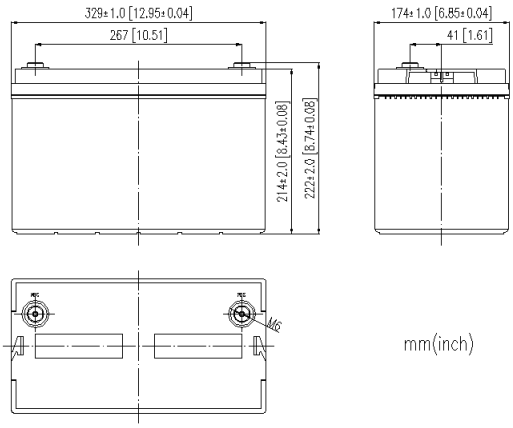
6GFM-100

VRLA Battery (12V100Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

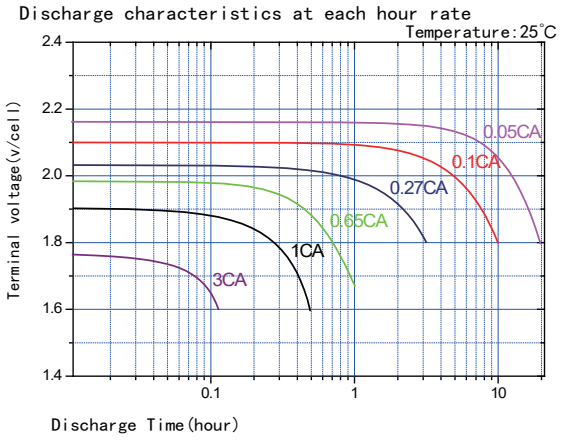
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

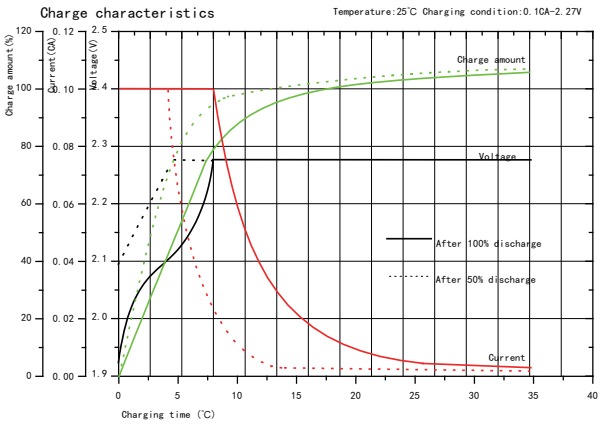
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	100Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	329(mm)×174(mm)×222(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	28.3kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M6
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

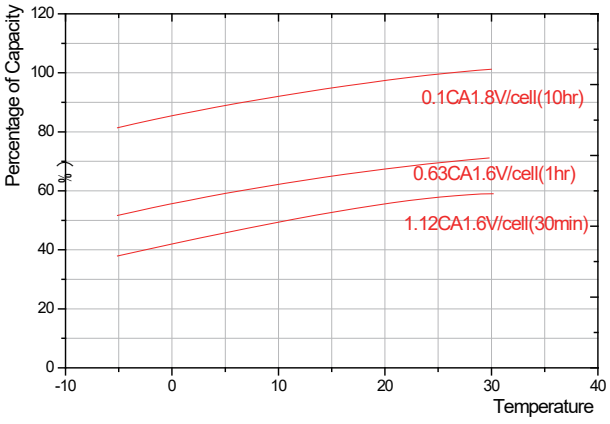
Discharge Characteristics Curve at 25°C



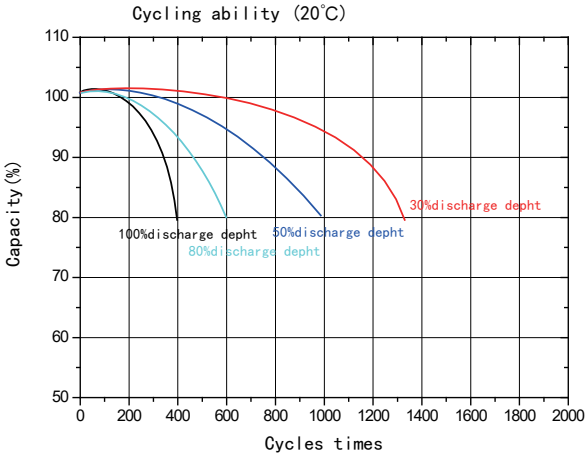
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

Pb Pb

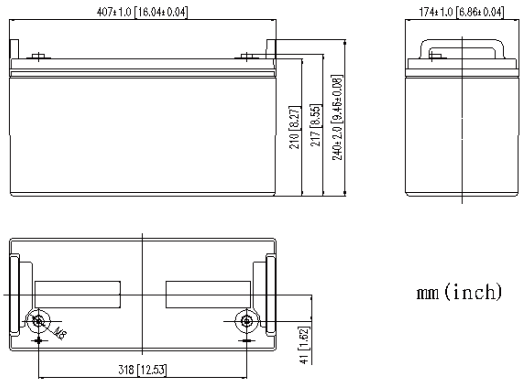
6GFM-120

VRLA Battery (12V120Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

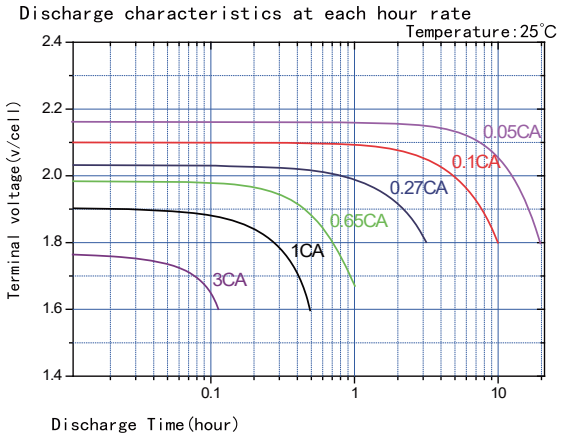
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

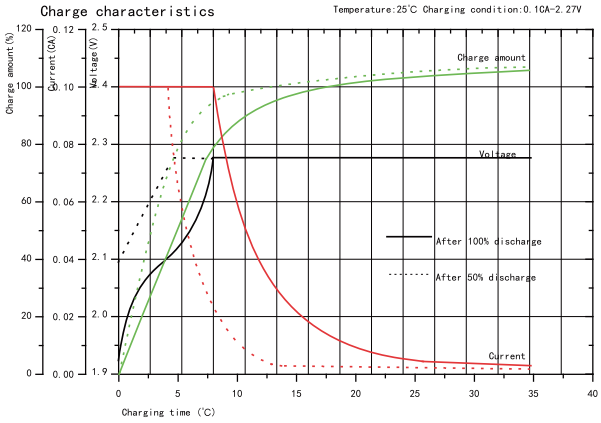
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	120Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	407(mm)×175(mm)×240(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	36.0kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

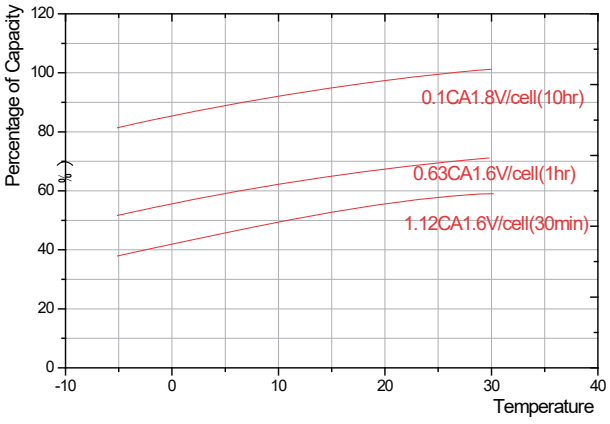
Discharge Characteristics Curve at 25°C



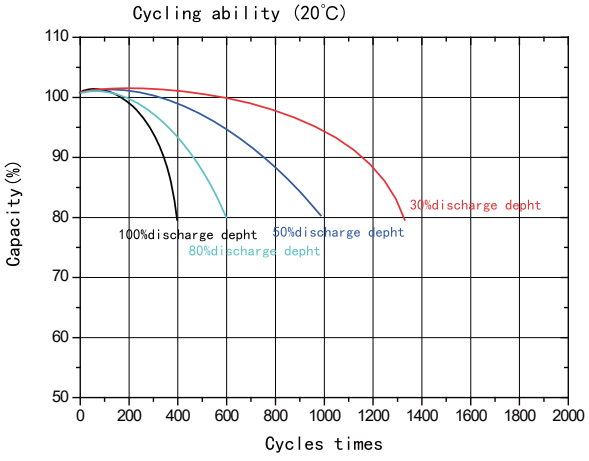
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

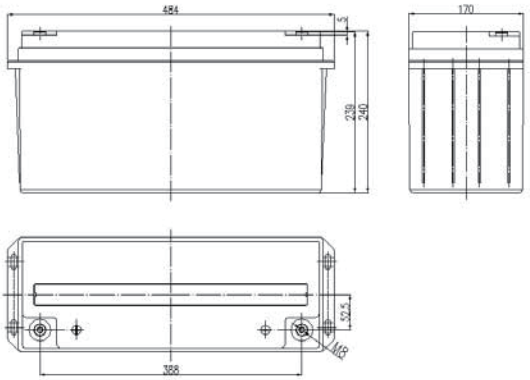
6GFM-150

VRLA Battery (12V150Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

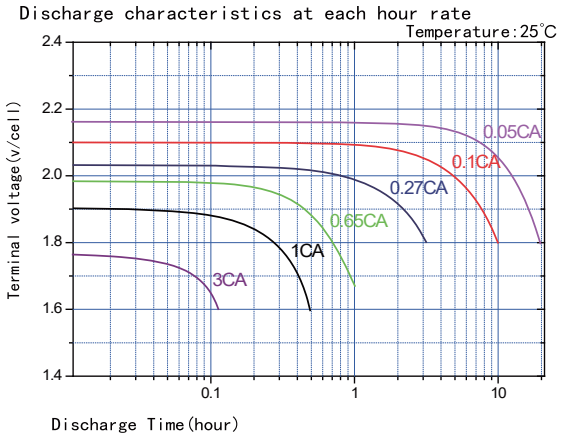
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

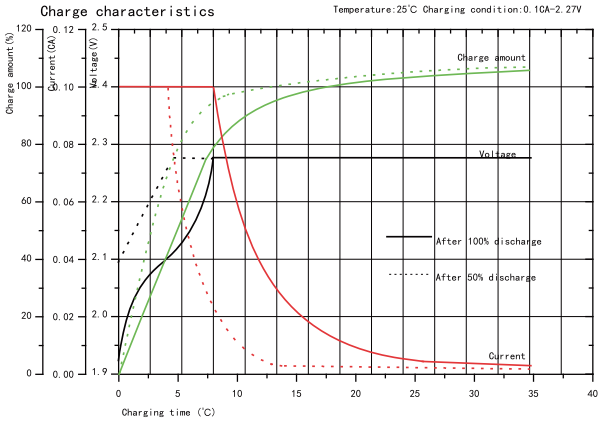
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	150Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	484(mm)×170(mm)×240(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	42.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

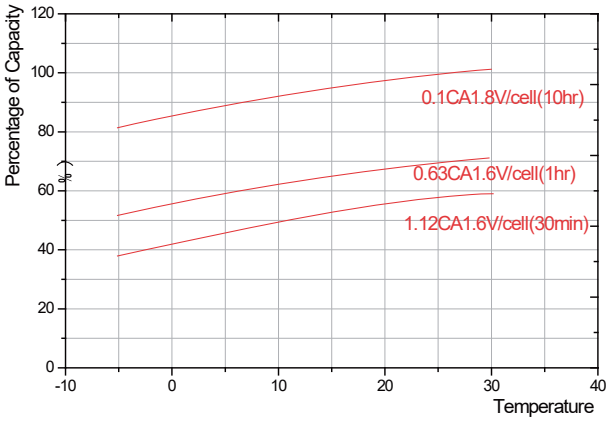
Discharge Characteristics Curve at 25°C



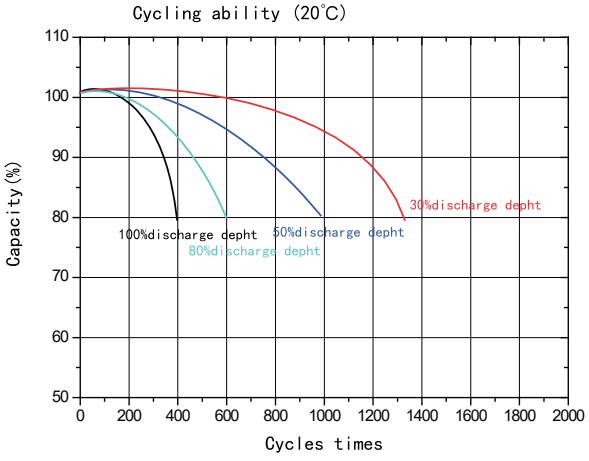
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

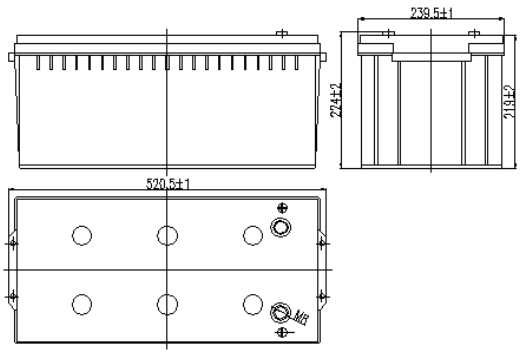
6GFM-200

GEL Battery (12V200Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

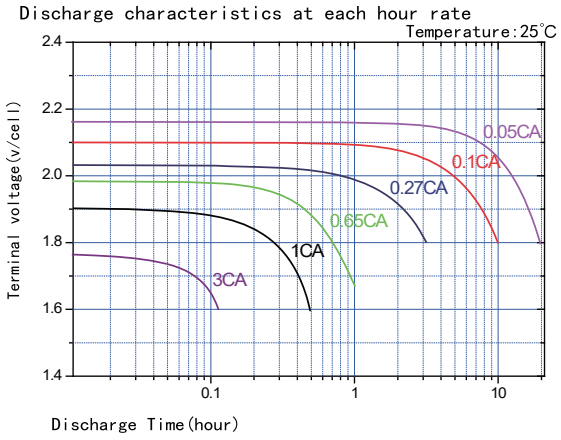
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

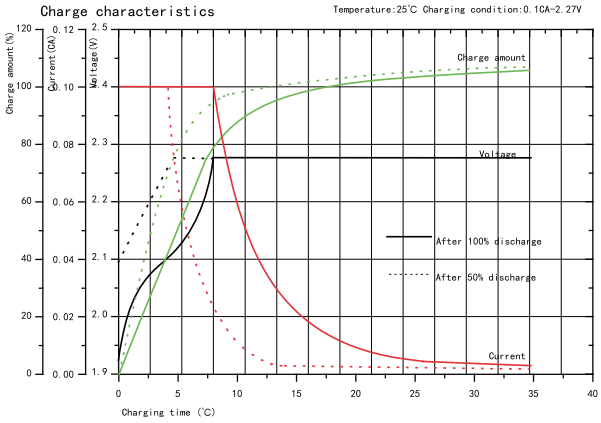
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	200Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	520(mm)×240(mm)×230(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	61.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

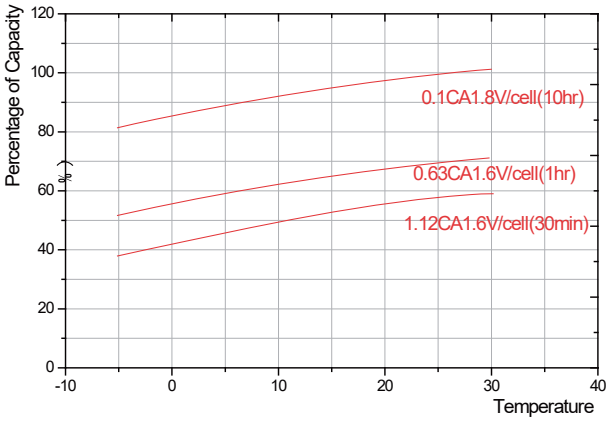
Discharge Characteristics Curve at 25°C



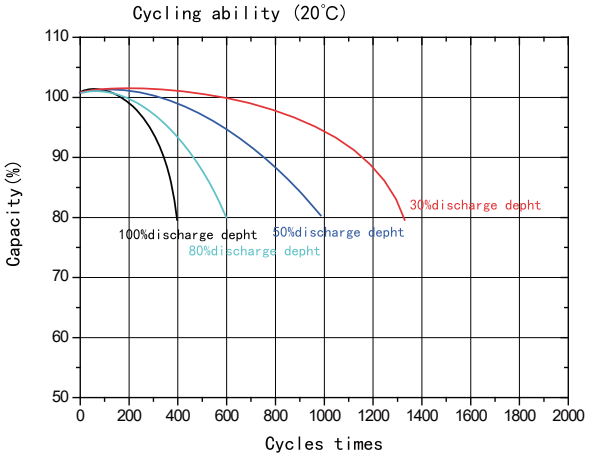
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

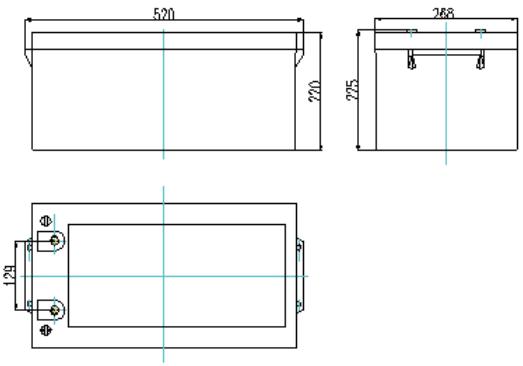
6GFM-250

VRLA Battery (12V250Ah)

Features

- VRLA battery adopts high-tin alloy grid which enhance corrosion resistance of plates and lengthen the service life.
- High-tight assembly technics and supporting equipments greatly improve charge acceptance and high current discharge performance.
- Precision vacuum acid filling method, advanced and environmentally friendly container formation technics ensures battery consistency effectively.
- Post seal structures adopt patented technology of seal structure and high-temperature curing epoxy adhesive, which ensure battery safety and reliability.

Dimensions



Product Structure and Working Principle

- Cathode absorption sealed maintenance-free VRLA battery consists of ABS case， grid type plate, AGM separator and electrolyte.

Application Fields

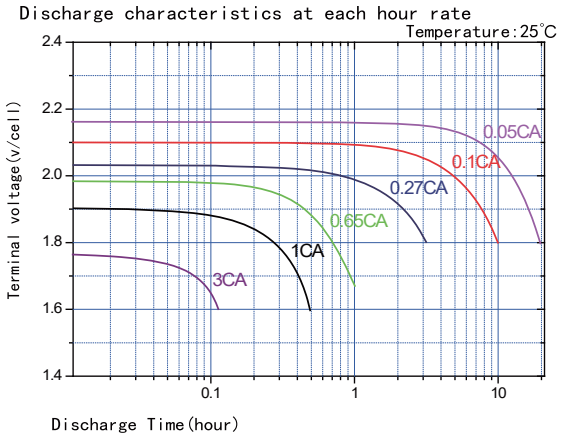
- Solar photovoltaic energy field, electric wheelchairs field, medical equipment field, washing machines field and so on.

Specifications

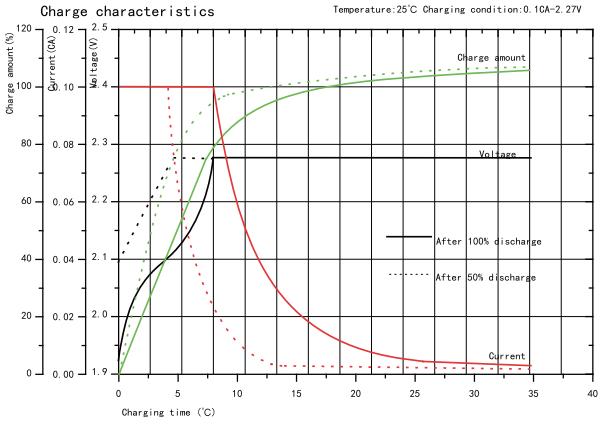
Type	VRLA Battery
Nominal Voltage	12V
Rated Capacity	250Ah(10hr, 10.8V, 25°C)
Approx Dimensions(mm)(Length×Width×Height)	520(mm)×268(mm)×225(mm)
Design Life Time	≥8 Years
Approx Weight(kg)	77.5kg
Applicable Temperature	-25°C~50°C
Optimum Temperature	20°C~25°C
Self-discharge	Self-discharge rate＜0.1% per day(20°C)
Materials for Battery Containers and Covers	ABS
Screw Hole Size(mm)	M8
Reference Installation Dimension	According to Clients' Requirements

TECHNICAL GRAPHS

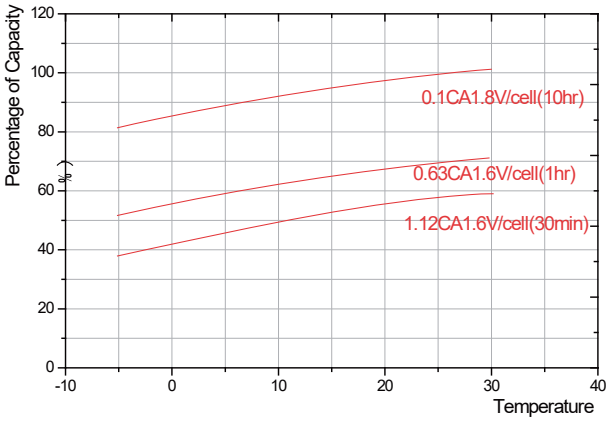
Discharge Characteristics Curve at 25°C



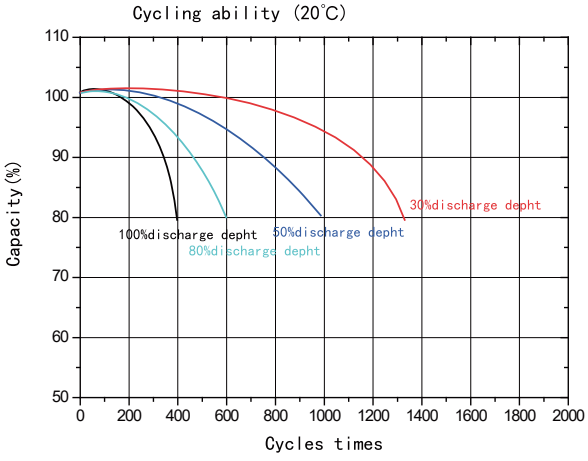
Charging cycle Characteristics Curve



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Discharge Current Vs End-voltage

Discharge Rate	0.10C	0.17C	0.25C	0.6C	3C
End-Voltage(V)	10.80	10.50	10.20	9.60	9.60

Charging Ways

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Use	14.40±0.18	-4mV/°C	0.1C~0.25C_{10}
Float Charge Use	13.65±0.12	-3mV/°C	

ReneSola

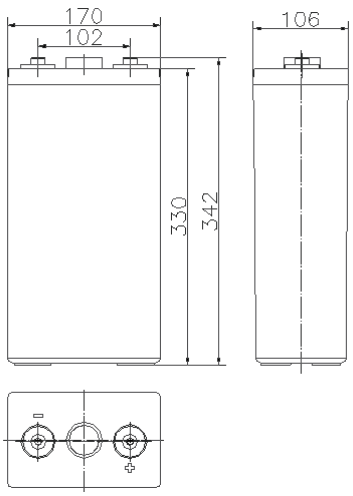
GFM-200

VRLA Battery (2V200Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

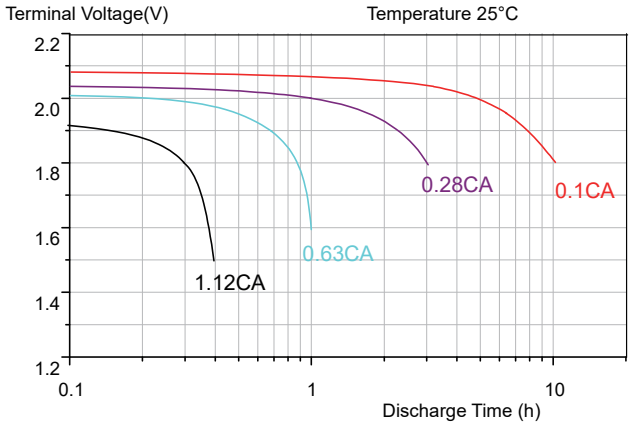


Specifications

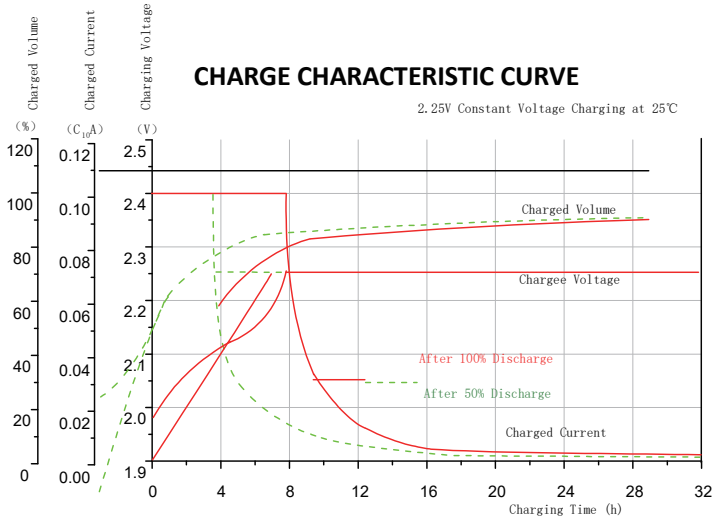
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	200Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	170(mm)*106(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	13.50kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥92%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 727*430*1016mm Horizontal48V: 784*336*952mm

TECHNICAL GRAPHS

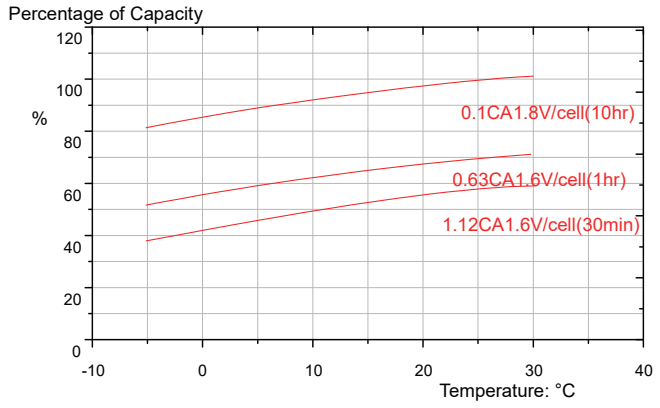
DISCHARGE CHARACTERISTIC CURVE



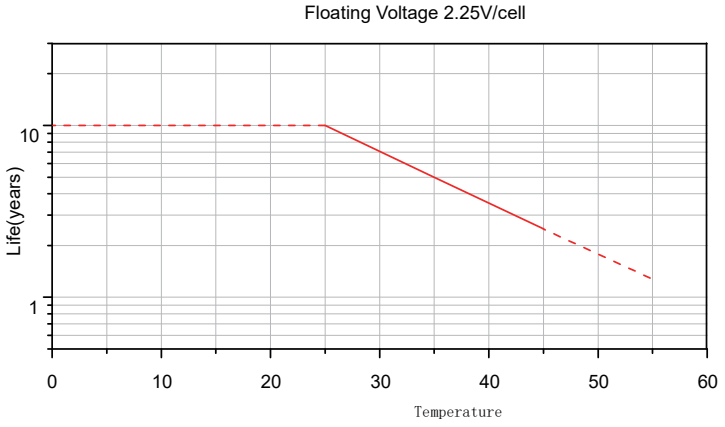
CHARGE CHARACTERISTIC CURVE



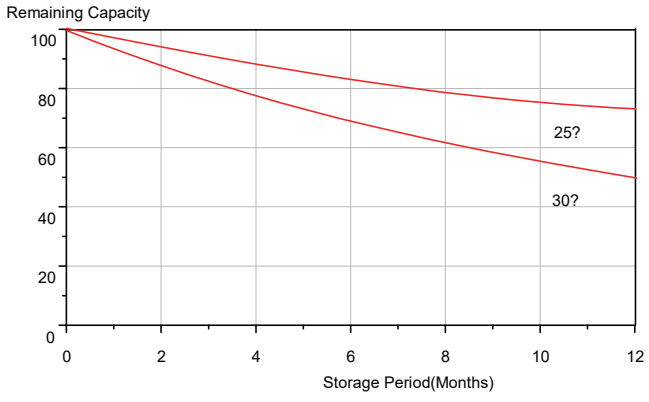
Temperature Vs. Capacity



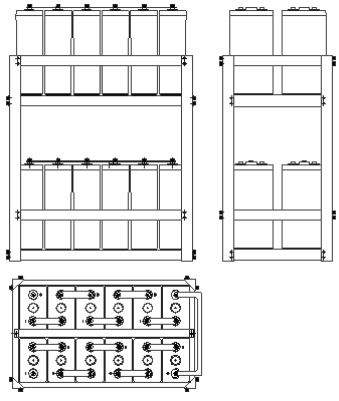
Accelerated Life Characteristic



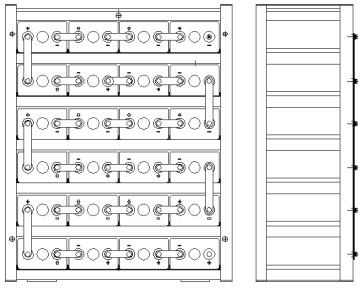
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

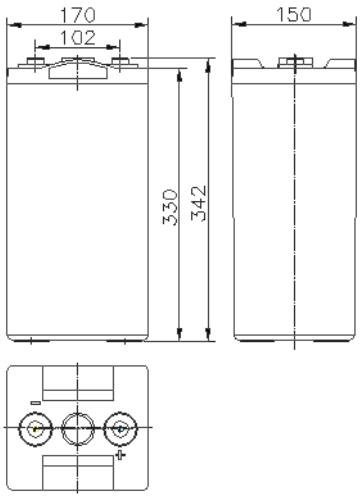
GFM-300

VRLA Battery (2V300Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

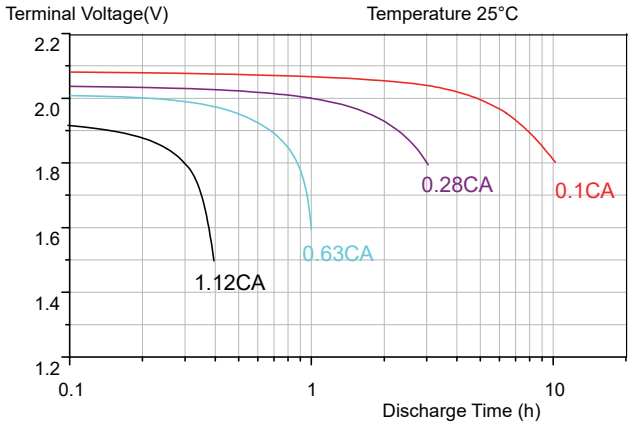


Specifications

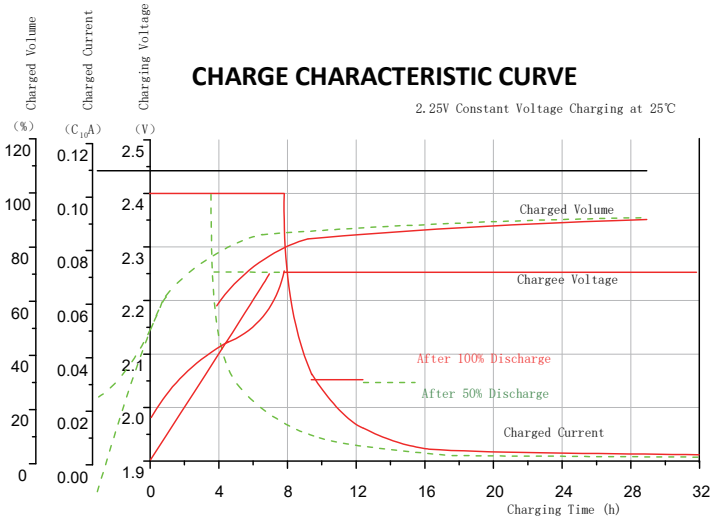
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	300Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	170(mm)*150(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	19.36kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥92%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1131×400×1026mm Horizontal48V: 750×340×1144mm

TECHNICAL GRAPHS

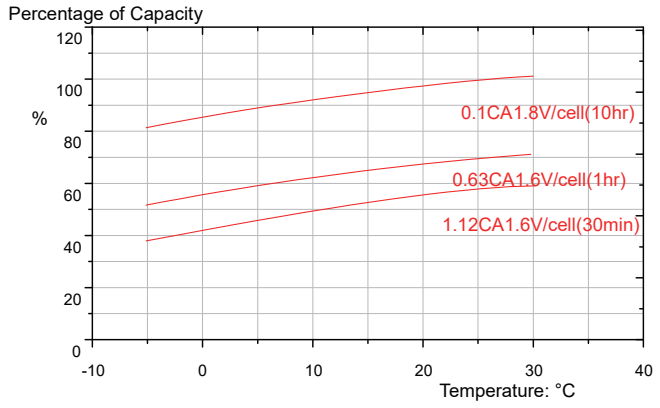
DISCHARGE CHARACTERISTIC CURVE



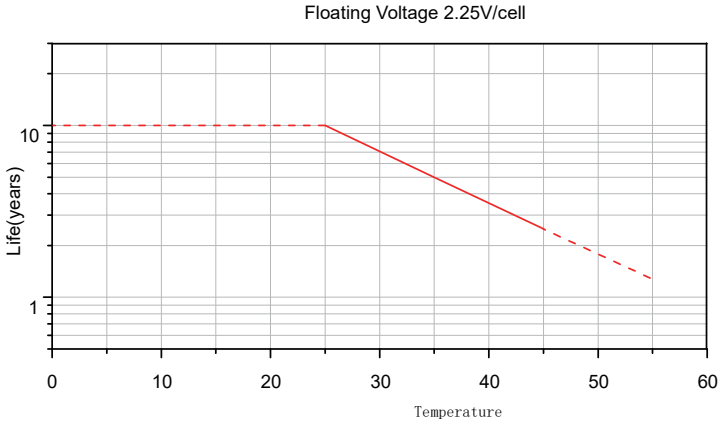
CHARGE CHARACTERISTIC CURVE



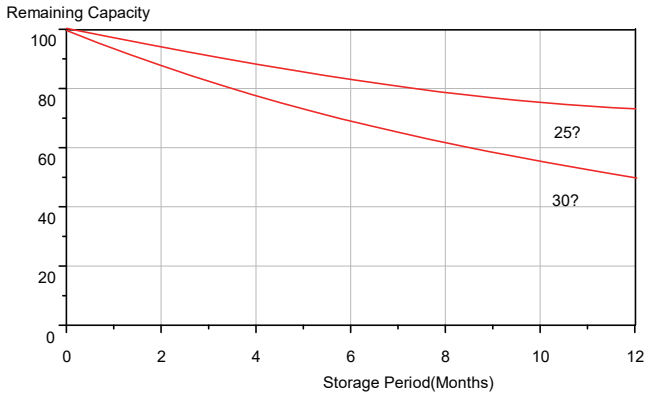
Temperature Vs. Capacity



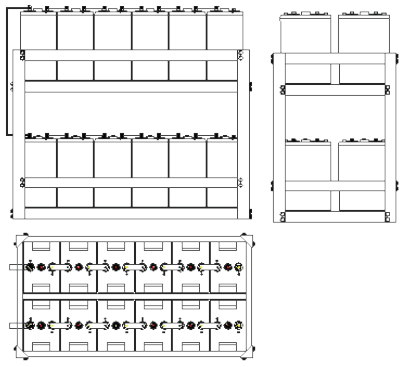
Accelerated Life Characteristic



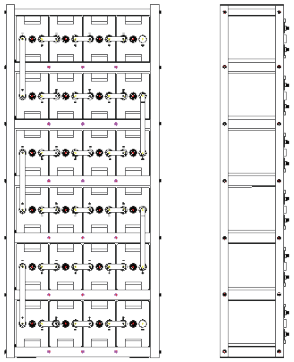
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

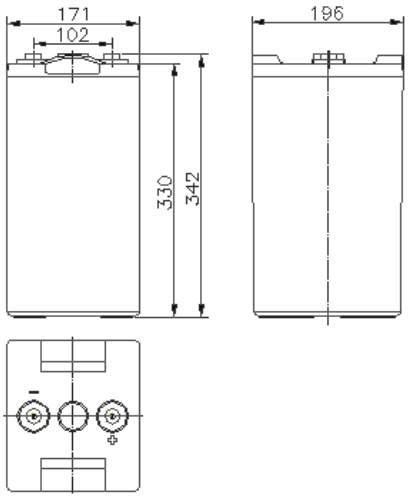
GFM-400

VRLA Battery (2V400Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

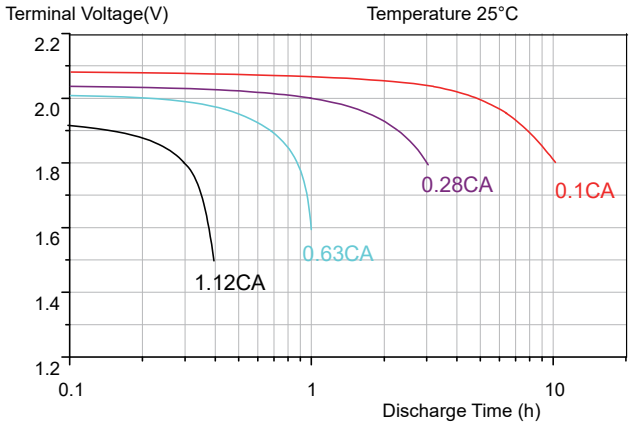


Specifications

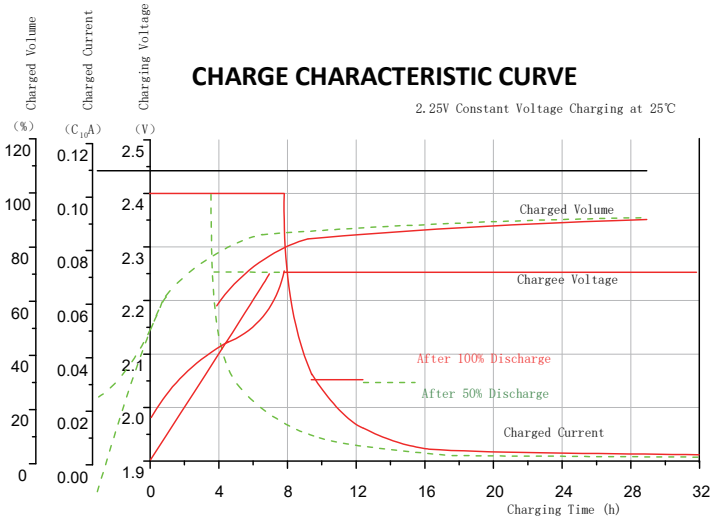
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	400Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	196(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	25.56kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1137×492×1028mm Horizontal48V: 754×340×1424mm

TECHNICAL GRAPHS

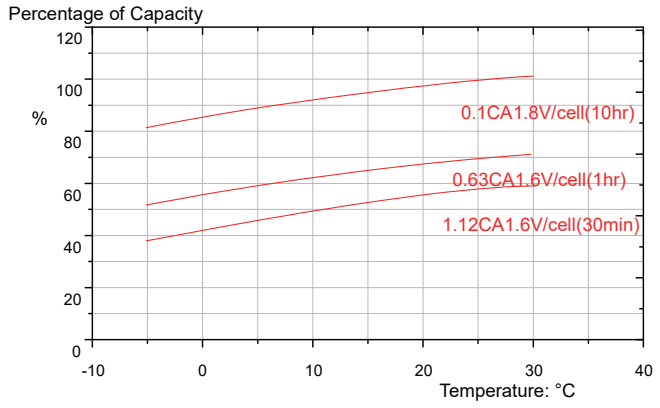
DISCHARGE CHARACTERISTIC CURVE



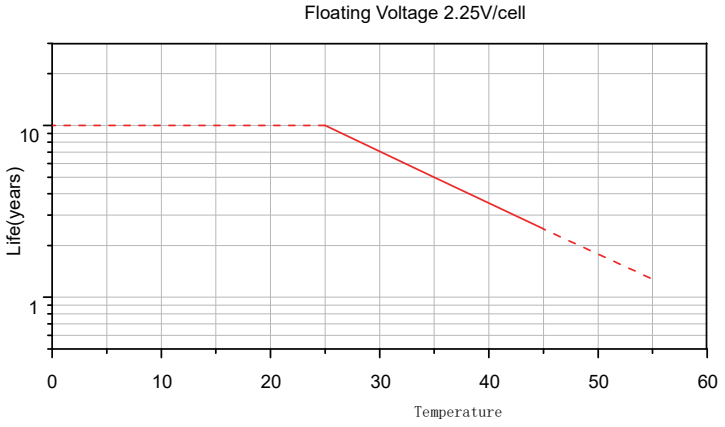
CHARGE CHARACTERISTIC CURVE



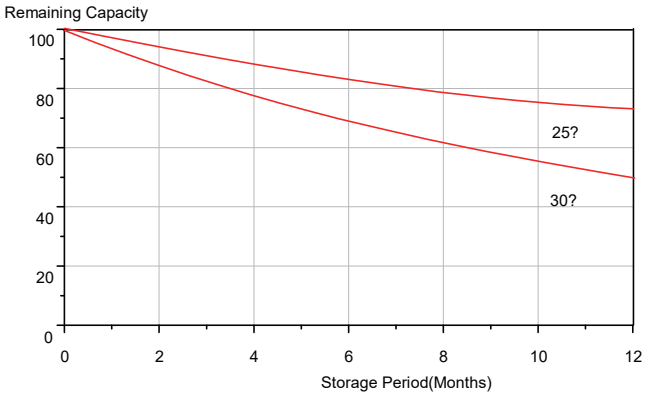
Temperature Vs. Capacity



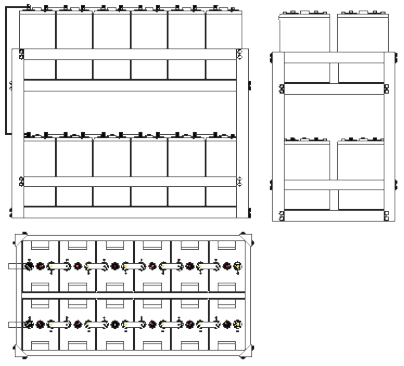
Accelerated Life Characteristic



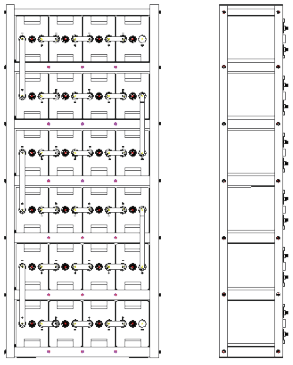
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

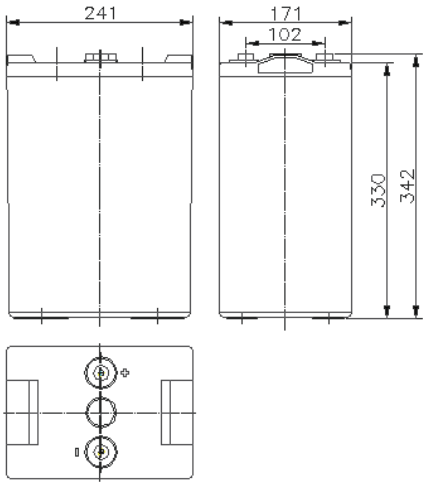
GFM-500

VRLA Battery (2V500Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

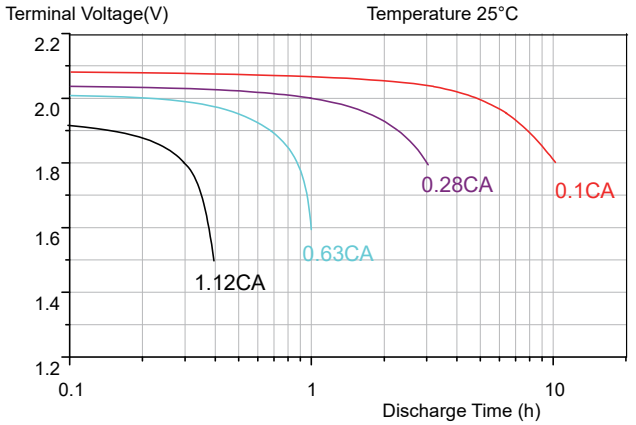


Specifications

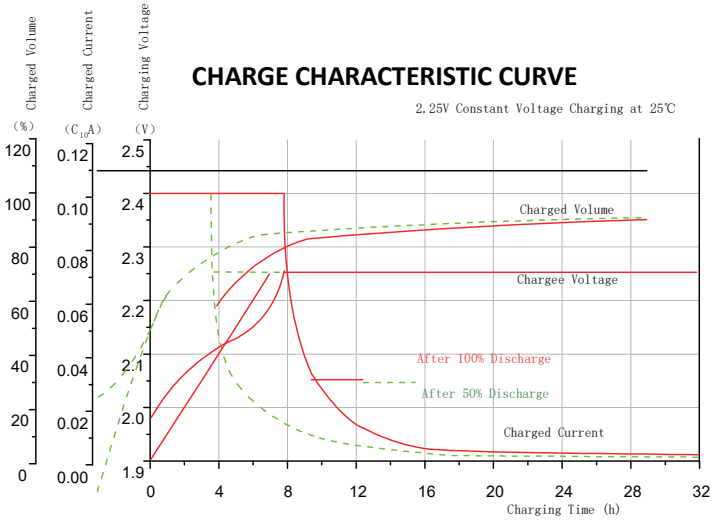
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	500Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	241(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	31.5kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1137×311×1028mm Horizontal48V: 754×340×1710mm

TECHNICAL GRAPHS

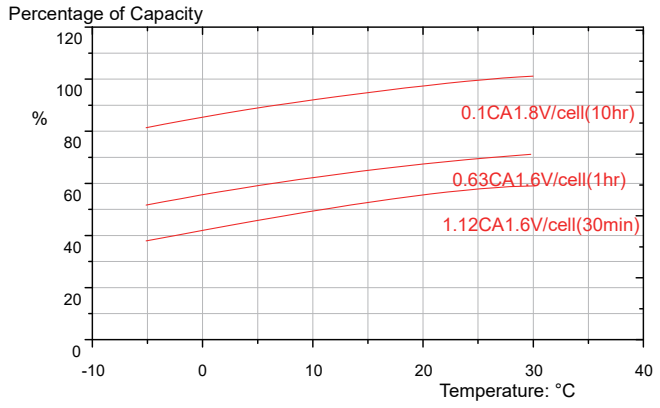
DISCHARGE CHARACTERISTIC CURVE



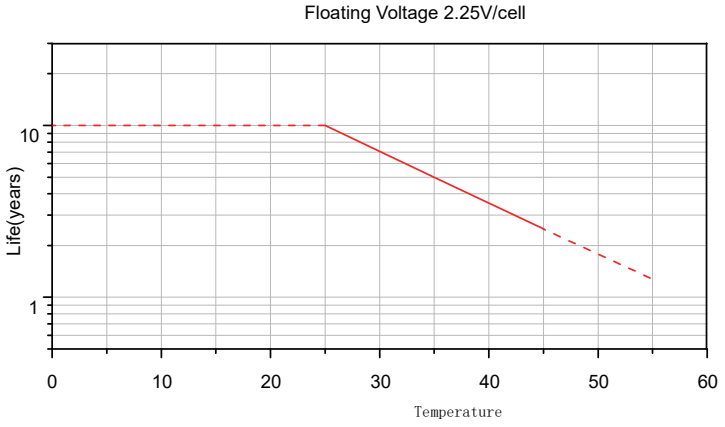
CHARGE CHARACTERISTIC CURVE



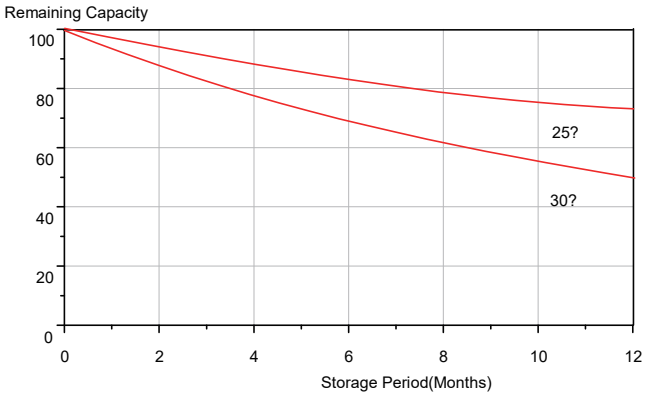
Temperature Vs. Capacity



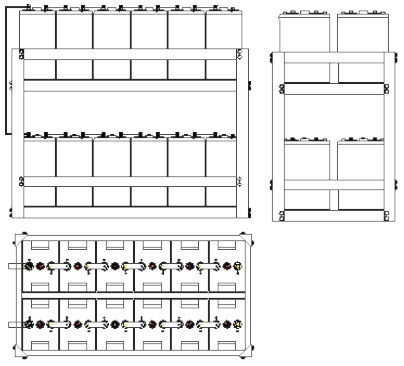
Accelerated Life Characteristic



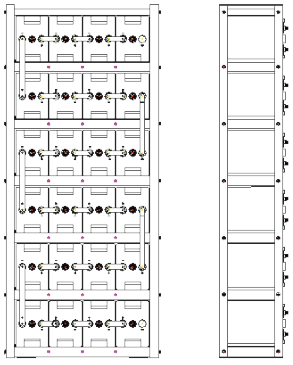
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

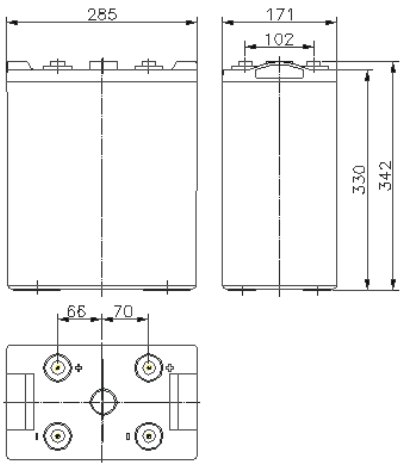
GFM-600

VRLA Battery (2V600Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

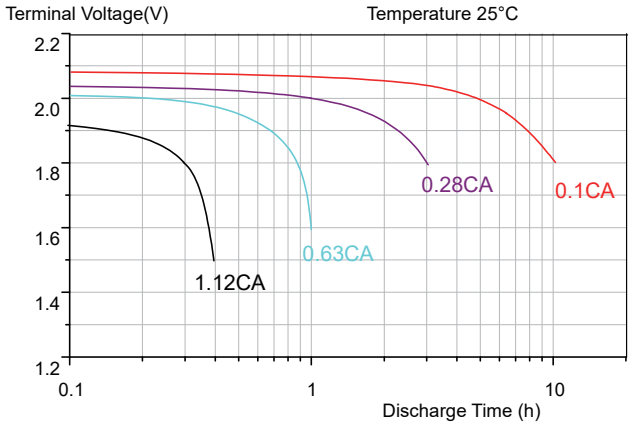


Specifications

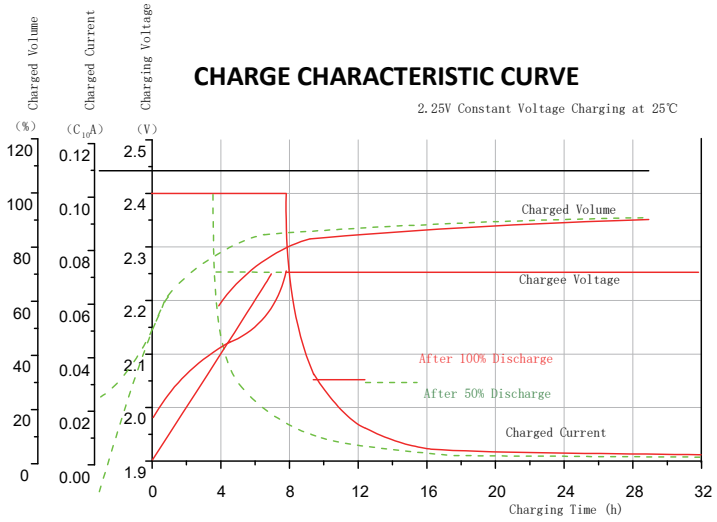
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	600Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	285(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	37.82kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 48V: 1195*680*1038mm Horizontal48V: 749*340*1132mm

TECHNICAL GRAPHS

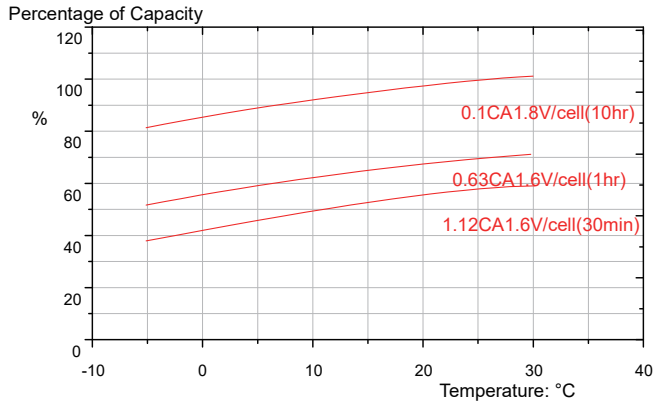
DISCHARGE CHARACTERISTIC CURVE



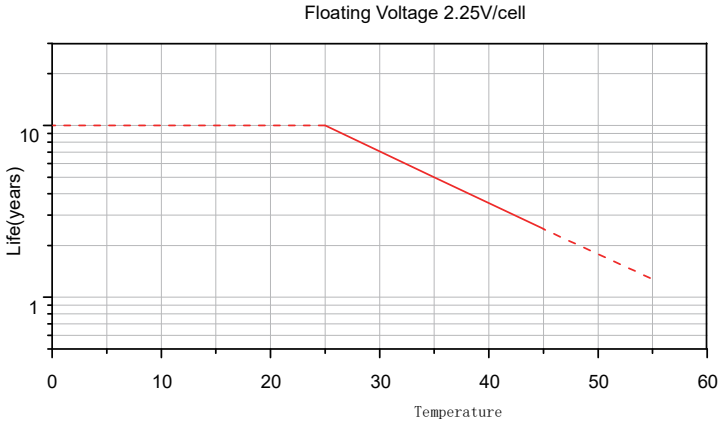
CHARGE CHARACTERISTIC CURVE



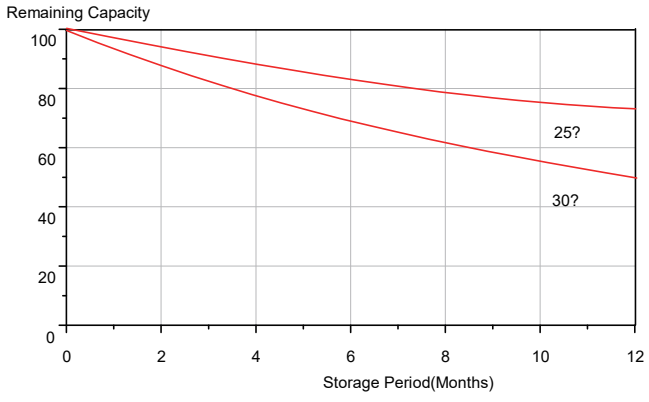
Temperature Vs. Capacity



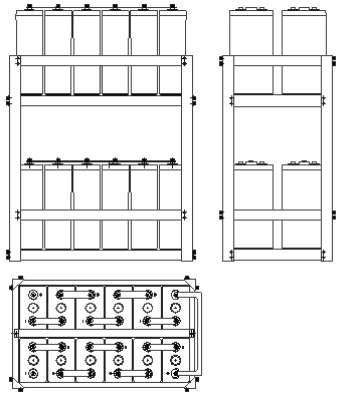
Accelerated Life Characteristic



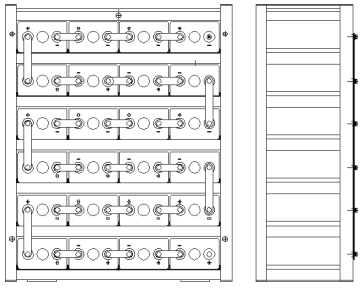
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

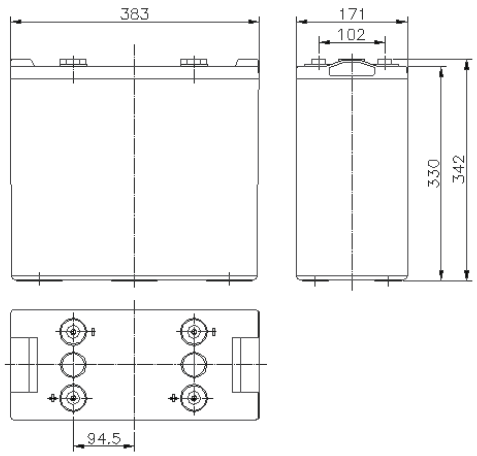
GFM-800

VRLA Battery (2V800Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

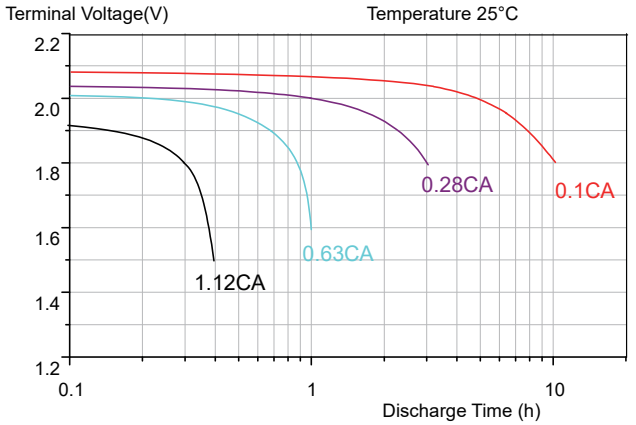


Specifications

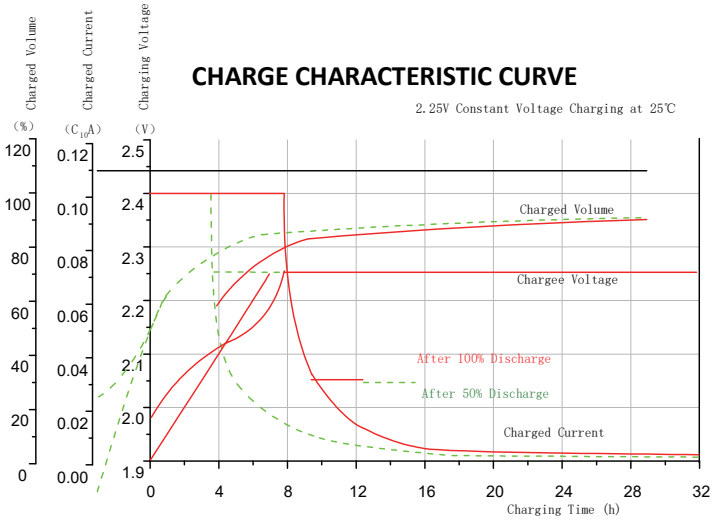
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	800Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	383(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	50.92kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×876×1038mm

TECHNICAL GRAPHS

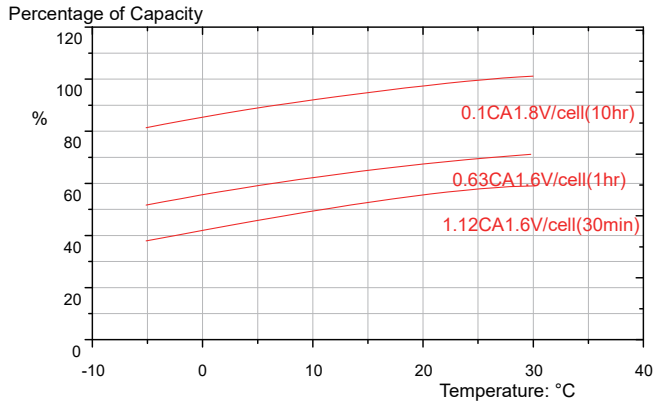
DISCHARGE CHARACTERISTIC CURVE



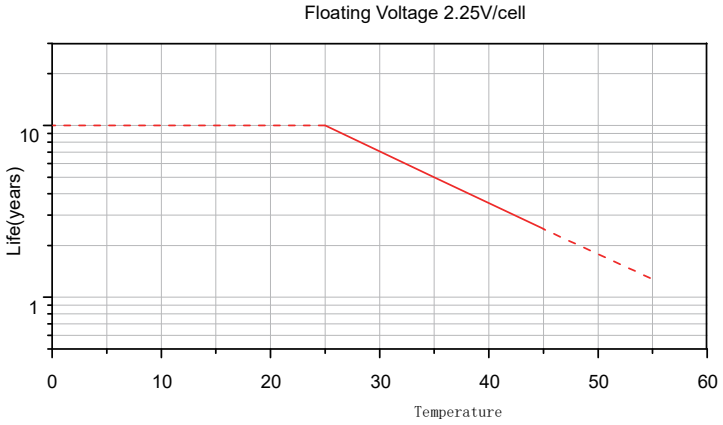
CHARGE CHARACTERISTIC CURVE



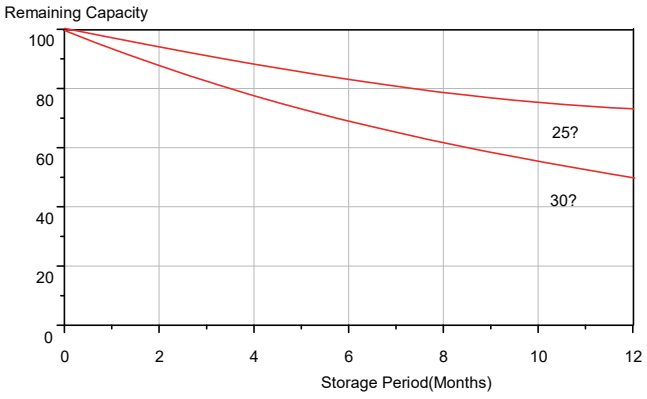
Temperature Vs. Capacity



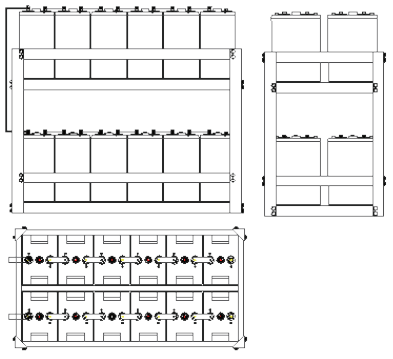
Accelerated Life Characteristic



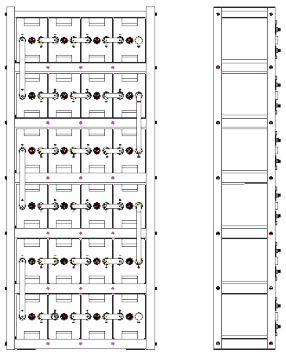
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

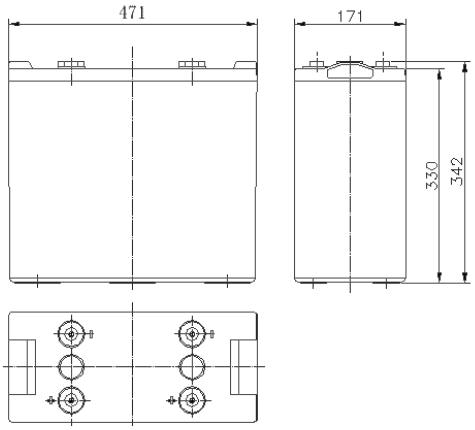
GFM-1000

VRLA Battery (2V1000Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

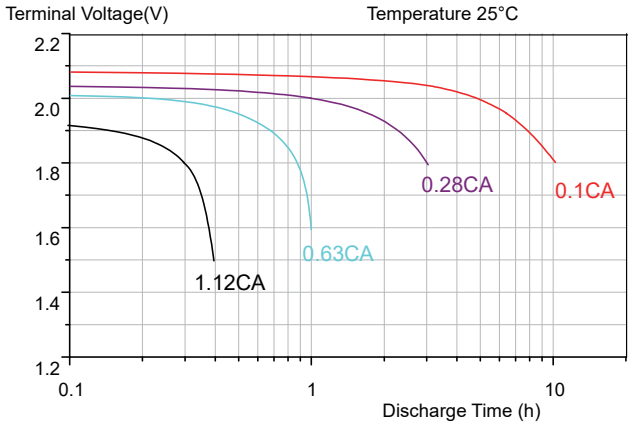


Specifications

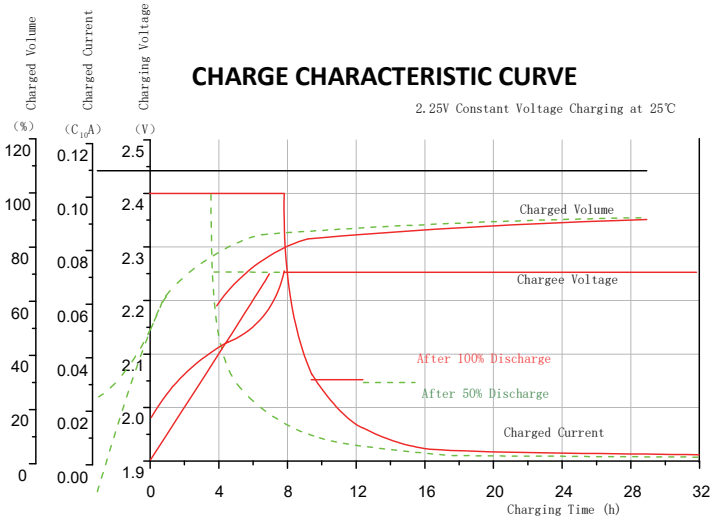
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	1000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	471(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	62.83kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×1052×1053mm

TECHNICAL GRAPHS

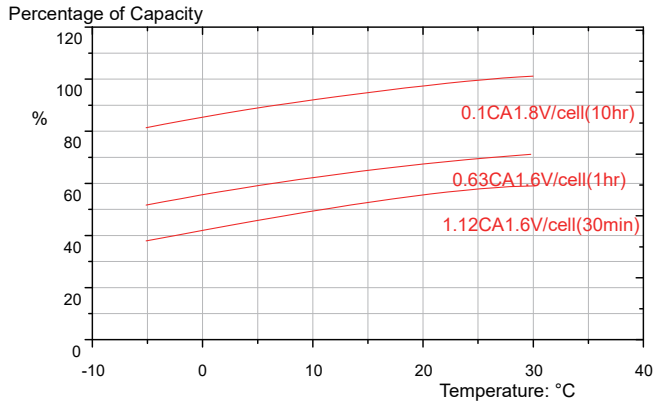
DISCHARGE CHARACTERISTIC CURVE



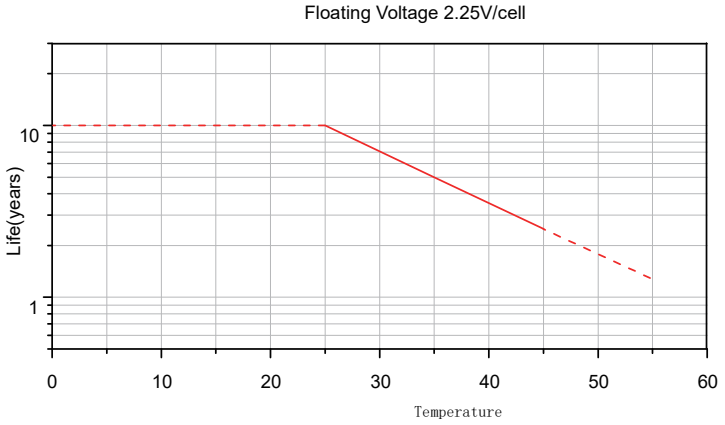
CHARGE CHARACTERISTIC CURVE



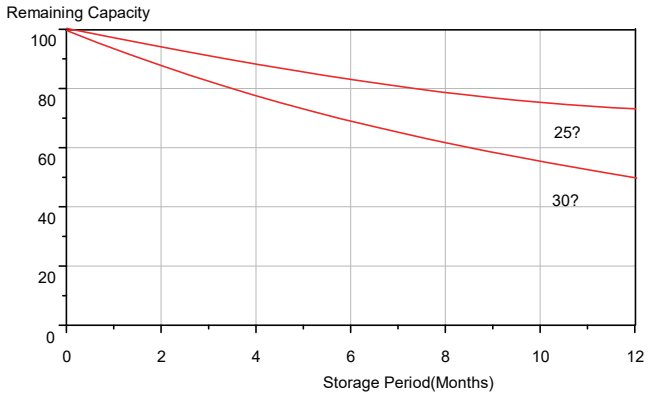
Temperature Vs. Capacity



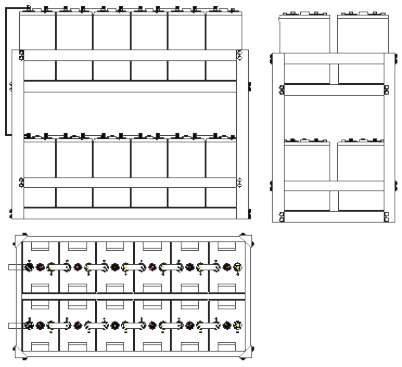
Accelerated Life Characteristic



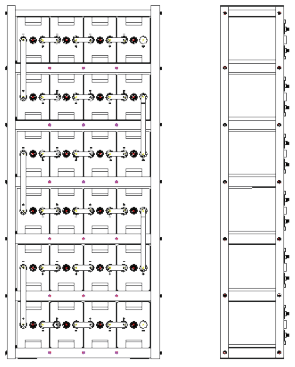
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

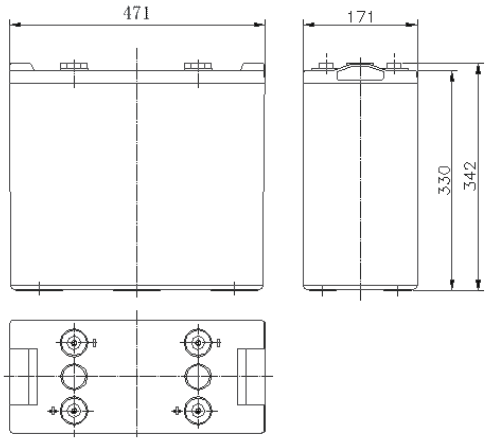
GFM-1200

VRLA Battery (2V1200Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

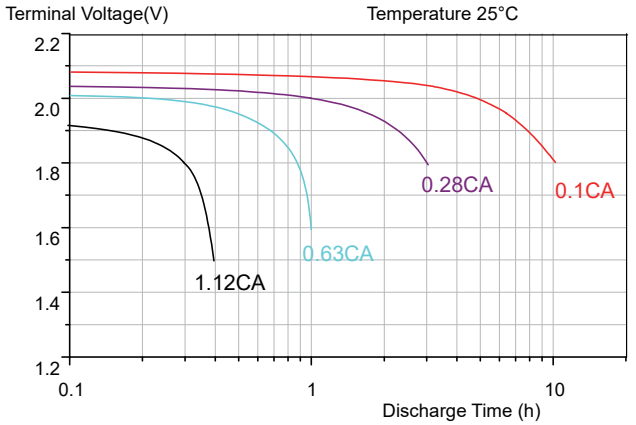


Specifications

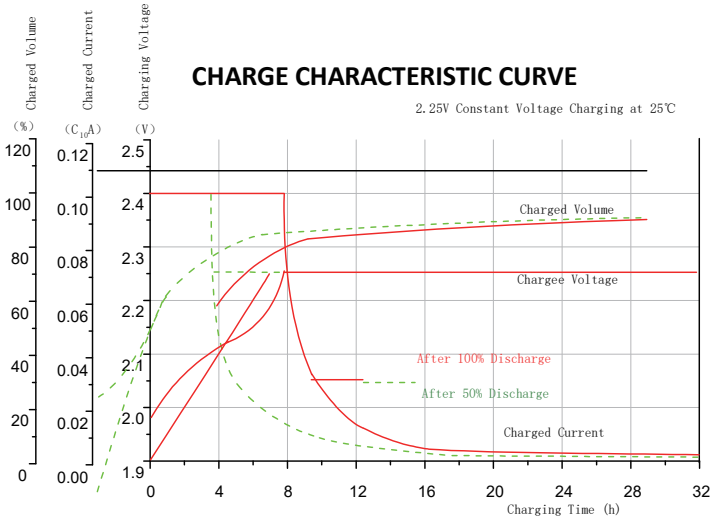
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	1200Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	471(mm)*171(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	68.5kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	48V: 1195×1052×1053mm

TECHNICAL GRAPHS

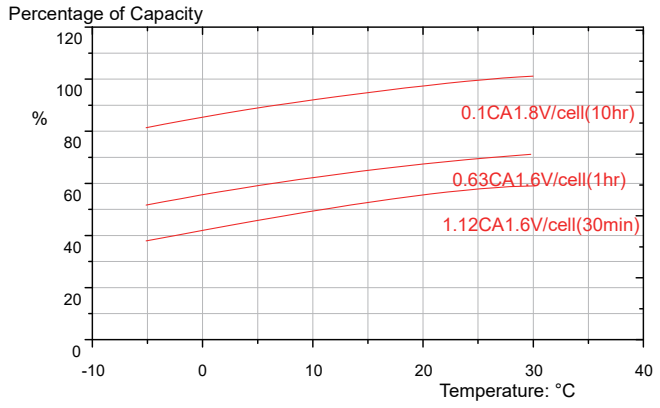
DISCHARGE CHARACTERISTIC CURVE



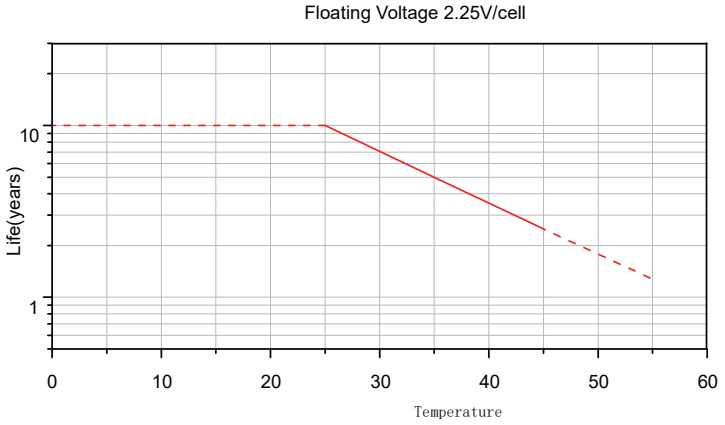
CHARGE CHARACTERISTIC CURVE



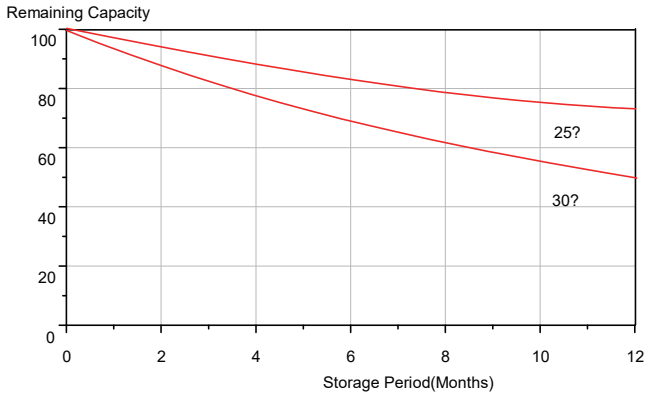
Temperature Vs. Capacity



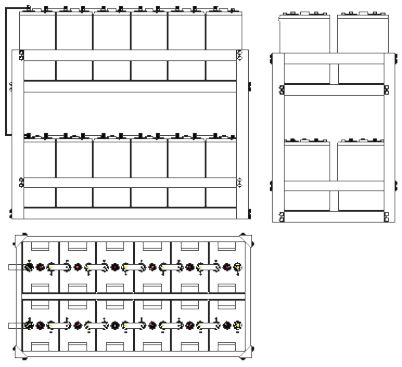
Accelerated Life Characteristic



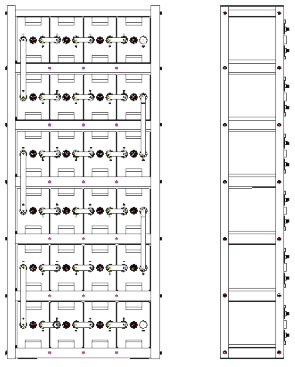
Self-discharge Characteristics



48V System Battery Set



48V Horizontal Battery Set



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

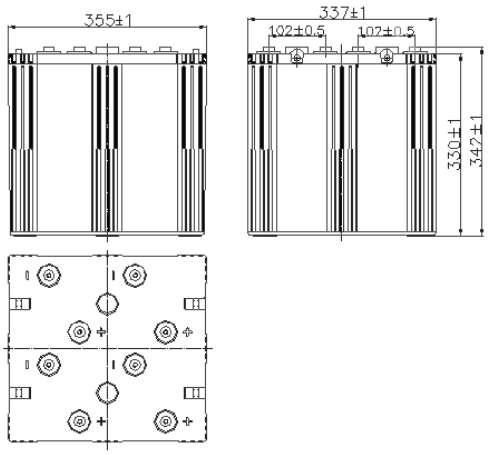
GFM-1500

VRLA Battery (2V1500Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

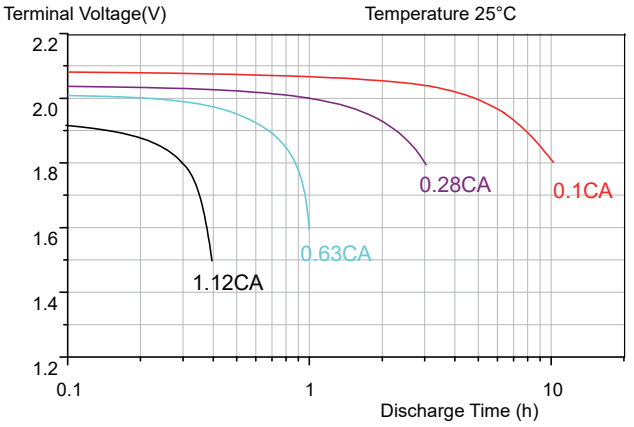


Specifications

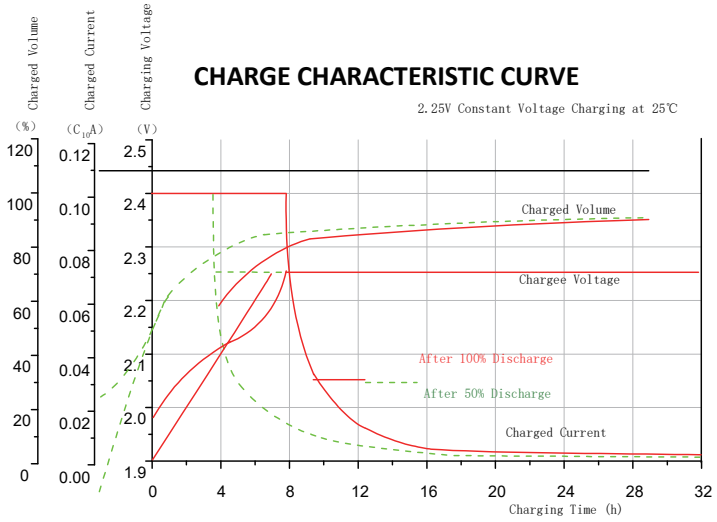
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	1500Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	355(mm)*337(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	93.23kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	Vertical 24V: 1195×770×1048.5mm

TECHNICAL GRAPHS

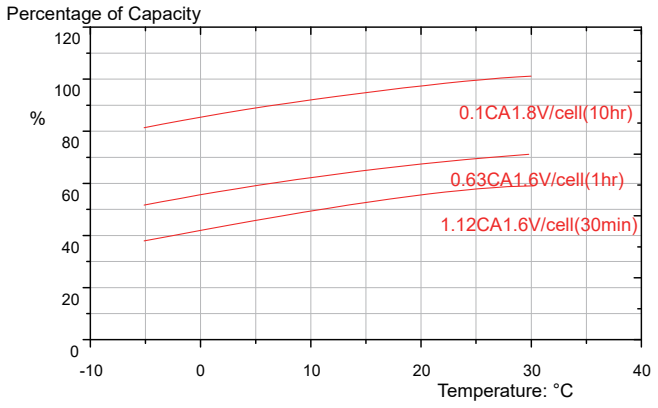
DISCHARGE CHARACTERISTIC CURVE



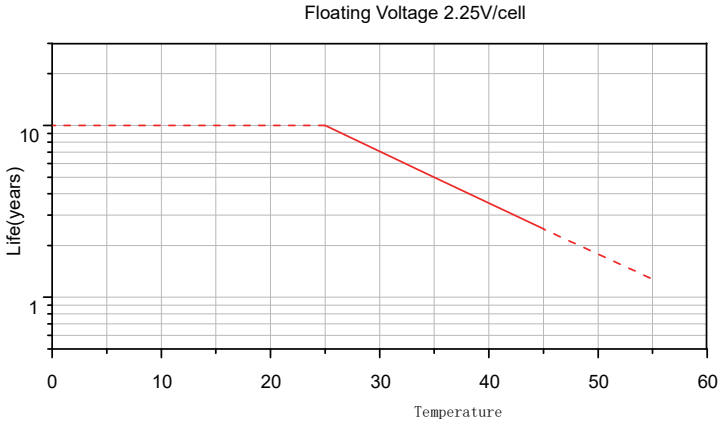
CHARGE CHARACTERISTIC CURVE



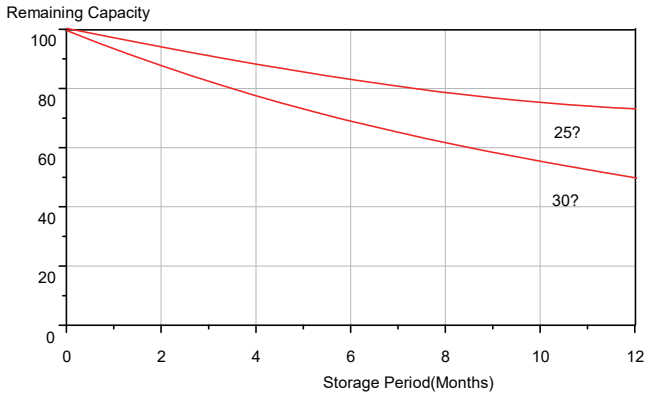
Temperature Vs. Capacity



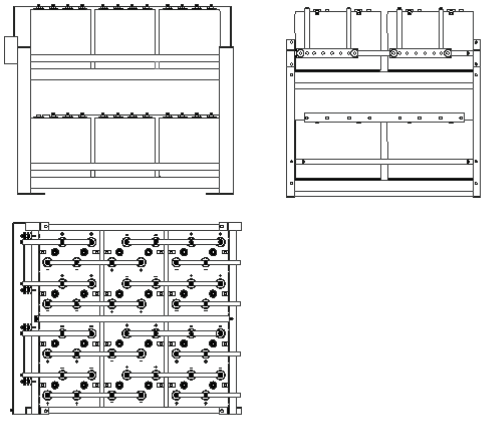
Accelerated Life Characteristic



Self-discharge Characteristics



Installation Diagram



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

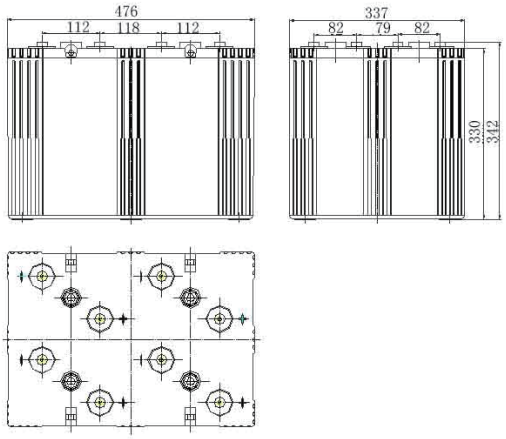
GFM-2000

VRLA Battery (2V2000Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

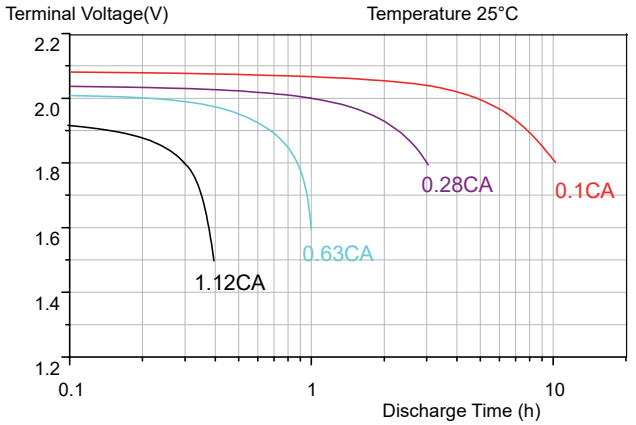


Specifications

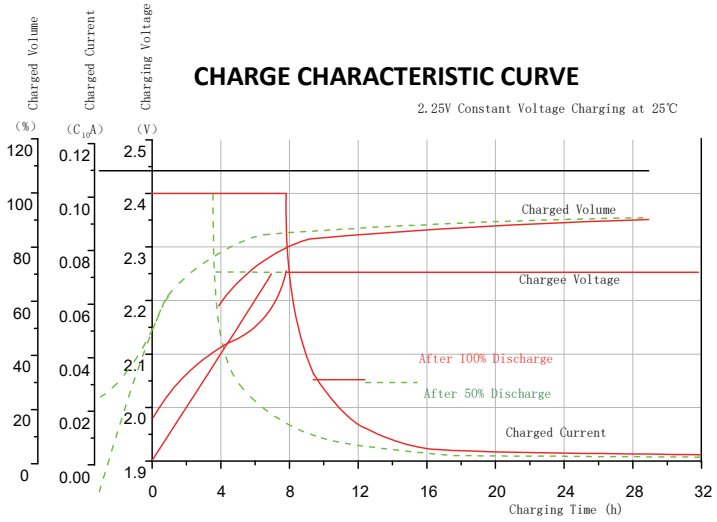
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	2000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	476(mm)*337(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	124.49kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	24V: 1195×1072×1051.5mm

TECHNICAL GRAPHS

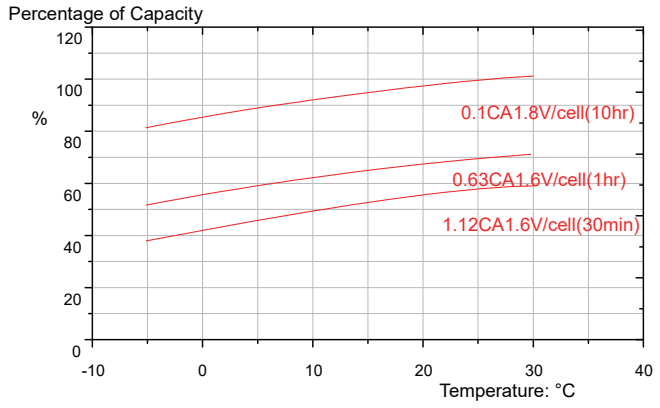
DISCHARGE CHARACTERISTIC CURVE



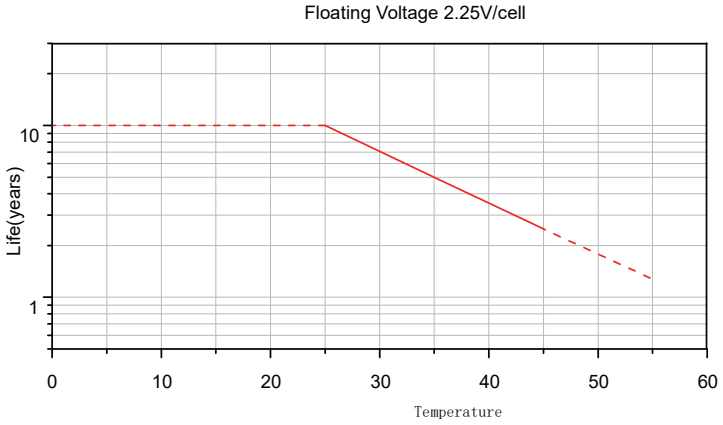
CHARGE CHARACTERISTIC CURVE



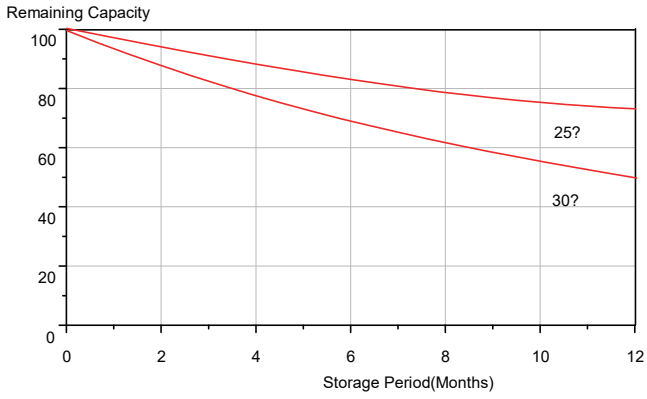
Temperature Vs. Capacity



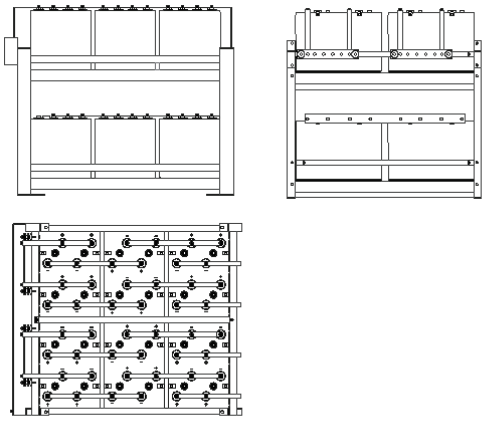
Accelerated Life Characteristic



Self-discharge Characteristics



Installation Diagram



Discharge Current and Discharge Final Voltage

Discharge Current	0.1C	0.16C	0.23C	0.6C	3C
Final Voltage(V)	1.80	1.75	1.70	1.60	1.30

Charge Method

Type	Voltage(V)	Temperature compensation coefficient	Charge Current(A)
Cycle Charge	2.30~2.40	-4mV/°C	0.1C~0.25C
Float Charge	2.23~2.27	-3mV/°C	

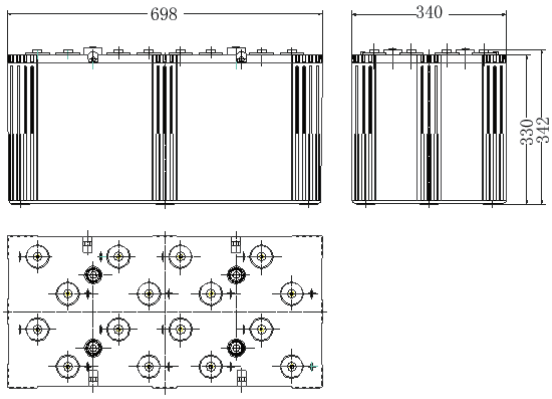
GFM-3000

VRLA Battery (2V3000Ah)

Features

- VRLA battery uses corrosion resistant high-tin alloy grids to enhance corrosion resistance of plates, effectively improve the life of float charging.
- High-tight assembly process design and assorted equipments greatly improved batteries charging acceptance and deep discharging recovery performance.
- Precise acid vacuum injection method, advanced, environmental formation technology, which effectively guarantee the consistency of the batteries
- The terminal adopts proprietary technology of sealing structure and high-temperature curing epoxy adhesive to ensure batteries safety and reliability

Dimensions

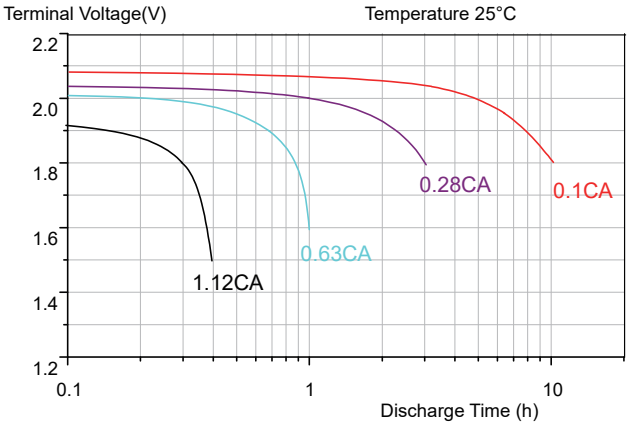


Specifications

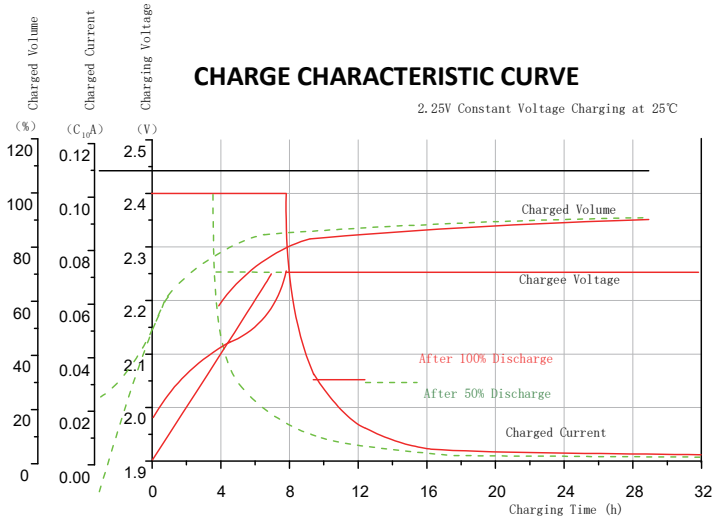
Battery Type	VRLA Battery
Nominal Voltage	2V
Nominal Capacity	3000Ah (10hr, 1.8V, 25°C)
Dimension(L*W*H)	696(mm)*340(mm)*342(mm)
Designed Life(Float charge, 25°C)	8 Years
The reference weight	186.87kg
Operation Ambient Temperature	-25°C~50°C
Optimal Ambient Temperature	20°C~25°C
Self-discharge Residual Capacity	After 90days storage at 25°C, the residual capacity≥90%
Container Material	ABS
Terminal(mm)	Φ20, M8
The Reference Dimension for Installation(See Pic, L*W*H)	12V: 1185×800×1045mm

TECHNICAL GRAPHS

DISCHARGE CHARACTERISTIC CURVE



CHARGE CHARACTERISTIC CURVE



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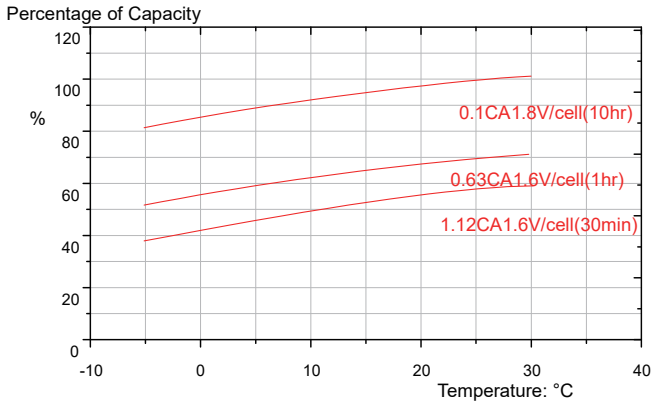

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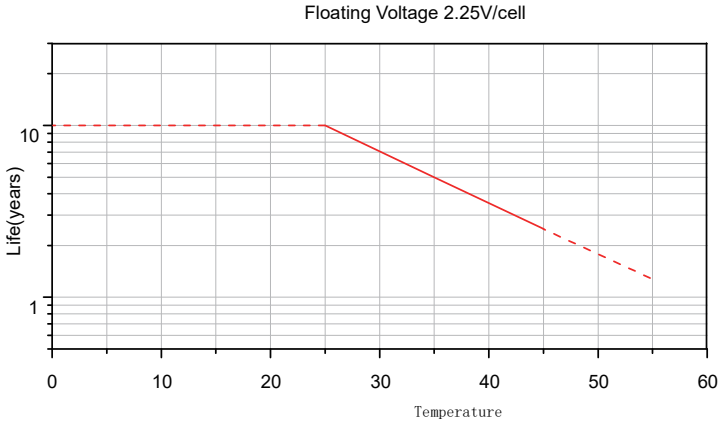

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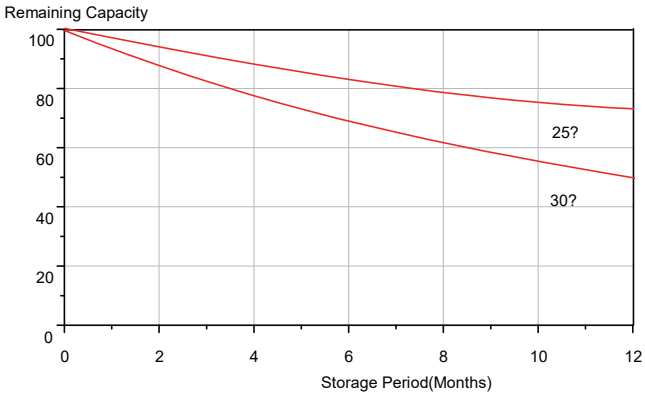

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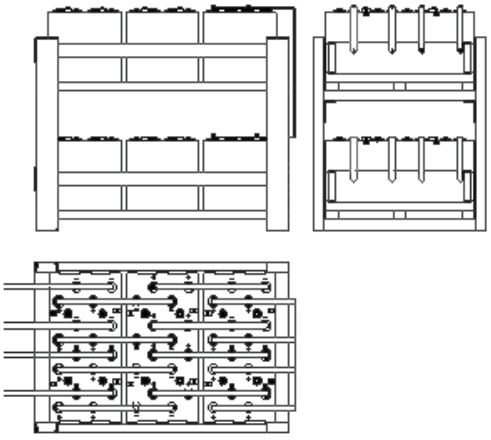

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