VRLA Rechargeable Battery

BPS100-12 (BPS100-12FR)

FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Flame-arrestor is installed to ensure safety.
- Carry handles for easy installation.
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Telecom
- Golf-Carts

SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	32.7Kg(72.1lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≦4.5mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	30 A
Operating Temperature Range	Charge：0°C~40°C(32°F~104°F) Discharge：-20°C~50°C(-4°F~122°F) Storage.：-20°C~40°C(-4°F~104°F)
Container Material	ABS(UL94-HB, UL94-V0 is optional)

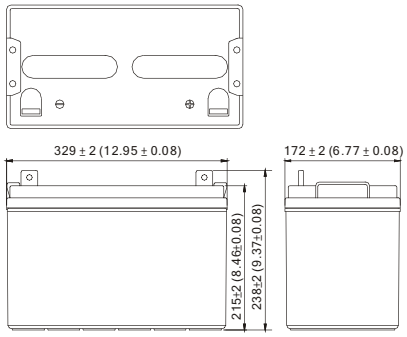
WSF ISO9001 MH19884
WSF ISO14001 CE
WSF OHSMS

- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

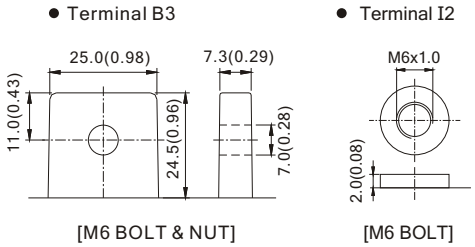
DIMENSION(mm/inch)

- **Length** 329±2.0 (12.95±0.08)
- **Width** 172±2.0 (6.77±0.08)
- **Container Height** 215±2.0 (8.46±0.08)
- **Total Height** B3:238±2.0 (9.37±0.08) I2:218.5±2.0 (8.60±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: B3,I2(5.5Nm±5%)

Constant power discharge characteristics at 25 °C/77 °F Unit: W

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2065	1256	727.8	291.5	201.0	112.31	59.10
1.75V	2160	1304	749.6	297.3	204.0	114.00	60.00
1.70V	2226	1334	763.1	300.0	205.1	114.57	60.31
1.65V	2278	1353	772.3	302.1	205.8	114.91	60.48
1.60V	2323	1366	780.0	303.9	206.4	114.91	60.48

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	184.6	107.5	61.16	24.29	16.75	9.36	4.93
1.75V	193.0	111.6	62.99	24.78	17.00	9.50	5.00
1.70V	199.0	114.2	64.13	25.00	17.09	9.55	5.03
1.65V	203.6	115.8	64.90	25.17	17.15	9.58	5.04
1.60V	207.7	116.9	65.55	25.33	17.20	9.58	5.04

All data shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

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