GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

Industrial Batteries / Network Power

Classic Energy Bloc

»High performance, long-life energy storage«

Classic®

Classic Energy Bloc

Optimized graduated battery sizes for high current demands

Classic Energy Bloc batteries are low maintenance, long life lead acid batteries with liquid electrolyte, available in a variety of models. Thanks to their enhanced energy density, they are ideal for high current applications with short discharge times. They provide a universal, reliable energy storage solution for UPS systems, in telecom, power and railway systems as well as in emergency lighting and all other power supplies for safety systems.

Your benefits:

> **High reliability and robustness** – long life in float application

> **Enhanced energy density** – saves floor space

> **Completely recyclable** – low CO_2-Footprint

Specifications

> Nominal Capacity 61 – 340 Ah C_{10}
> 15 years design life at 20 °C ambient temperature (80 % remaining capacity from C_{10})
> Low maintenance thanks to the optimized alloy
> Containers made from high quality translucent plastics
> Positive and negative grid plates
> Available in 12 V and 6 V block versions
> Complies with IEC 60896-11
> Low gassing acc. to EN 50272-2 thanks to the low antimony alloy (< 3%)
> Easy installation thanks to the maintenance free, fully insulated connectors and screws
> Electrolyte: diluted sulphuric acid dN = 1.24 kg/l
> Manufactured in Europe in our ISO 9001 certified production plants


Design life in years: 15


Nominal capacity 61 - 340 Ah


Block Battery


Grid plate


Recyclable


Low maintenance


Special high current performance

Classic Energy Bloc

Technical Data

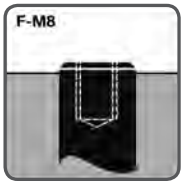
Technical characteristics and data

Type acc. to DIN reference	Part number	Type	Nom. voltage V	Nominal capacity C_{10} 1.80 Vpc 20 °C Ah	Length (l) max. mm	Installed length (L) max. mm	Width (b/w) max. mm	Height* (h) max. mm	Weight incl. acid approx. kg	Weight acid approx. kg	Internal resist-ance mOhm	Short circuit current A	Terminal	Pole pairs
6V 7 OGi 213 LA	NVEB060215WC0FB	EB 6215	6	213	272	283	207	347	41.2	11.6	1.73	3219	F-M8	1
6V 9 OGi 237 LA	NVEB060240WC0FB	EB 6240	6	237	272	283	207	347	46.0	11.0	1.43	3797	F-M8	1
6V 10 OGi 304 LA	NVEB060310WC0FB	EB 6310	6	302	380	391	207	347	56.9	16.8	1.33	4127	F-M8	1
6V 12 OGi 340 LA	NVEB060350WC0FB	EB 6350	6	340	380	391	207	347	62.3	15.8	1.23	4498	F-M8	1
12V 2 OGi 61 LA	NVEB120060WC0FB	EB 1260	12	61.0	272	283	207	347	33.9	11.8	8.81	1115	F-M8	1
12V 4 OGi 105 LA	NVEB120110WC0FB	EB 12110	12	105	272	283	207	347	44.2	10.6	4.91	2031	F-M8	1
12V 6 OGi 158 LA	NVEB120160WC0FB	EB 12160	12	158	380	391	207	347	64.2	15.1	4.08	2804	F-M8	1

* Includes installed connector, the above mentioned height can differ depending on the used vents.

Container, terminal and torque

> Container: PP (Polypropylene)

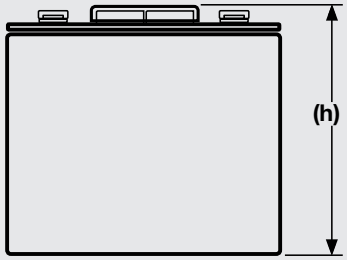


12 Nm

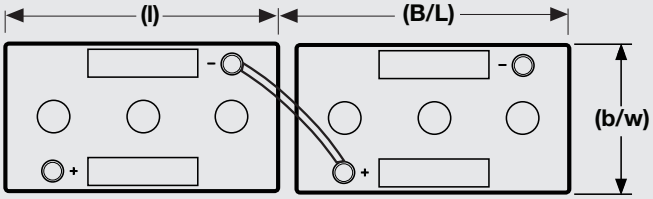
Classic Energy Bloc

Drawings

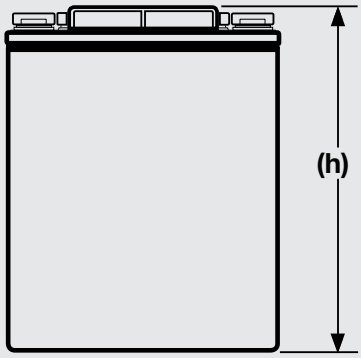
EB 6215 - EB 6350



Not to scale!



EB 1260 - EB 12160



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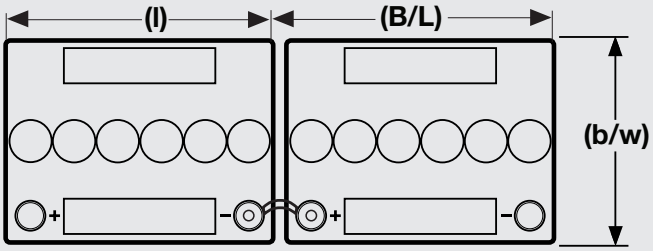

Classic Energy Bloc

Constant current discharge

1.90 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	261	233	193	173	135	115	95.0	61.4	46.8	38.1	32.1	22.0	18.1
6V 9 OGi 237 LA	NVEB060240WC0FB	348	308	248	219	164	132	114	72.8	54.4	43.8	36.4	24.3	20.3
6V 10 OGi 304 LA	NVEB060310WC0FB	373	333	275	248	194	164	135	87.7	66.9	54.5	45.9	31.5	25.9
6V 12 OGi 340 LA	NVEB060350WC0FB	468	416	340	295	225	187	157	101	76.4	61.9	51.9	35.1	29.1
12V 2 OGi 61 LA	NVEB120060WC0FB	74.6	66.6	55.1	49.7	38.8	32.8	27.1	17.5	13.3	10.9	9.19	6.30	5.19
12V 4 OGi 105 LA	NVEB120110WC0FB	162	144	116	97.7	72.9	58.9	50.8	32.3	24.1	19.4	16.2	10.8	9.04
12V 6 OGi 158 LA	NVEB120160WC0FB	244	216	174	146	109	88.4	76.2	48.5	36.2	29.2	24.3	16.2	13.5

1.85 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	312	285	244	211	158	127	109	69.5	51.8	41.9	35.5	24.5	20.3
6V 9 OGi 237 LA	NVEB060240WC0FB	414	378	313	268	199	155	130	82.4	60.8	49.3	41.2	27.2	22.4
6V 10 OGi 304 LA	NVEB060310WC0FB	446	407	349	302	226	182	156	99.4	74.0	59.8	50.8	35.0	29.0
6V 12 OGi 340 LA	NVEB060350WC0FB	558	509	429	370	268	213	181	114	84.9	68.8	57.9	39.2	32.3
12V 2 OGi 61 LA	NVEB120060WC0FB	89.2	81.4	69.8	60.5	45.3	36.4	31.2	19.8	14.8	11.9	10.1	7.00	5.80
12V 4 OGi 105 LA	NVEB120110WC0FB	194	176	146	125	88.4	69.3	58.2	36.6	27.0	21.9	18.3	12.1	9.97
12V 6 OGi 158 LA	NVEB120160WC0FB	291	265	219	188	132	103	87.3	54.9	40.5	32.8	27.4	18.1	14.9

1.80 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	398	359	293	252	179	140	117	73.6	54.0	43.6	36.9	25.5	21.1
6V 9 OGi 237 LA	NVEB060240WC0FB	523	481	392	331	221	172	140	87.7	63.7	51.7	43.2	29.0	23.7
6V 10 OGi 304 LA	NVEB060310WC0FB	552	513	419	360	256	200	167	105	77.2	62.3	52.7	36.4	30.2
6V 12 OGi 340 LA	NVEB060350WC0FB	680	614	513	437	301	235	194	121	88.8	71.8	60.5	41.2	33.9
12V 2 OGi 61 LA	NVEB120060WC0FB	110	97.7	83.8	72.1	51.2	40.0	33.5	21.0	15.4	12.4	10.5	7.29	6.05
12V 4 OGi 105 LA	NVEB120110WC0FB	232	214	174	147	98.5	76.5	62.4	38.9	28.3	22.9	19.2	12.9	10.5
12V 6 OGi 158 LA	NVEB120160WC0FB	349	321	261	221	147	114	93.7	58.4	42.5	34.4	28.8	19.3	15.8

1.75 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	461	415	338	285	192	148	121	75.0	54.5	44.3	37.4	26.1	21.5
6V 9 OGi 237 LA	NVEB060240WC0FB	611	544	445	366	237	180	145	89.4	64.8	52.5	44.3	29.5	24.1
6V 10 OGi 304 LA	NVEB060310WC0FB	659	593	483	407	275	212	173	107	77.9	63.2	53.5	37.3	30.8
6V 12 OGi 340 LA	NVEB060350WC0FB	803	719	586	488	323	247	201	123	90.0	73.0	61.6	42.1	34.6
12V 2 OGi 61 LA	NVEB120060WC0FB	131	118	96.6	81.4	55.0	42.4	34.7	21.4	15.5	12.6	10.7	7.46	6.16
12V 4 OGi 105 LA	NVEB120110WC0FB	271	242	197	162	105	80.1	64.7	39.7	28.8	23.3	19.7	13.1	10.7
12V 6 OGi 158 LA	NVEB120160WC0FB	407	363	296	244	158	120	97.1	59.6	43.2	35.0	29.5	19.7	16.1

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Constant current discharge

1.70 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	539	472	370	306	199	152	123	76.3	55.4	44.8	37.7	26.2	21.7
6V 9 OGi 237 LA	NVEB060240WC0FB	698	607	476	387	246	183	147	90.7	65.4	52.8	44.5	29.7	24.3
6V 10 OGi 304 LA	NVEB060310WC0FB	770	675	529	438	285	217	176	109	79.2	64.0	53.9	37.5	31.0
6V 12 OGi 340 LA	NVEB060350WC0FB	927	810	635	521	335	252	204	126	91.1	73.6	62.0	42.3	34.8
12V 2 OGi 61 LA	NVEB120060WC0FB	154	135	105	87.6	57.0	43.4	35.2	21.8	15.8	12.8	10.7	7.51	6.20
12V 4 OGi 105 LA	NVEB120110WC0FB	310	270	211	172	109	81.7	65.5	40.3	29.1	23.4	19.7	13.2	10.8
12V 6 OGi 158 LA	NVEB120160WC0FB	465	405	317	258	164	122	98.3	60.5	43.6	35.2	29.6	19.8	16.2

1.65 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	597	521	395	320	203	153	123	76.7	55.6	44.9	37.7	26.3	21.7
6V 9 OGi 237 LA	NVEB060240WC0FB	768	670	502	401	247	185	148	91.2	65.7	53.0	44.5	29.8	24.4
6V 10 OGi 304 LA	NVEB060310WC0FB	854	744	564	457	291	219	177	109	79.5	64.2	53.9	37.6	31.1
6V 12 OGi 340 LA	NVEB060350WC0FB	1024	893	673	542	339	255	205	126	91.5	73.9	62.0	42.5	34.9
12V 2 OGi 61 LA	NVEB120060WC0FB	170	148	112	91.5	58.2	43.9	35.4	21.9	15.9	12.8	10.7	7.53	6.22
12V 4 OGi 105 LA	NVEB120110WC0FB	341	298	223	178	110	82.2	65.9	40.5	29.2	23.5	19.8	13.2	10.8
12V 6 OGi 158 LA	NVEB120160WC0FB	512	447	335	267	165	123	98.9	60.8	43.8	35.3	29.7	19.8	16.2

1.60 Vpc – Discharge in A at 20 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4h	5 h	8 h	10 h
6V 7 OGi 213 LA	NVEB060215WC0FB	651	562	415	325	205	154	124	77.0	55.6	45.0	37.9	26.4	21.8
6V 9 OGi 237 LA	NVEB060240WC0FB	855	722	518	408	249	186	149	91.3	66.0	53.1	44.6	29.9	24.5
6V 10 OGi 304 LA	NVEB060310WC0FB	931	803	593	465	292	221	177	110	79.5	64.3	54.1	37.7	31.2
6V 12 OGi 340 LA	NVEB060350WC0FB	1129	963	701	551	342	256	206	126	91.7	74.0	62.2	42.5	35.0
12V 2 OGi 61 LA	NVEB120060WC0FB	186	160	118	93.1	58.5	44.2	35.5	22.0	15.9	12.8	10.8	7.55	6.24
12V 4 OGi 105 LA	NVEB120110WC0FB	380	321	230	181	110	82.7	66.3	40.5	29.3	23.6	19.8	13.2	10.8
12V 6 OGi 158 LA	NVEB120160WC0FB	570	481	345	272	166	124	99.5	60.8	44.0	35.4	29.7	19.9	16.3

GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. Exide Technologies provides a comprehensive and customized range of stored electrical energy solutions. Based on over 120 years of experience in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and automotive applications.

GNB Industrial Power – A division of Exide Technologies – offers an extensive range of storage products and services, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all of its products.

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GNB® INDUSTRIAL POWER devises enduring energy concepts that convince with efficiency, flexibility and profitability.