

# Classic Energy Bloc / EB 12160

## INDUSTRIAL BATTERIES / NETWORK POWER

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 and 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.

**Part Number: NVEB120160WC0FB**

### APPLICATIONS



### SPECIFICATIONS

- 15 years design life at 20°C ambient temperature (80% remaining capacity from C<sub>10</sub>)
- Low maintenance thanks to the optimized alloy
- Containers made from high quality translucent plastics
- Positive and negative grid plates
- Complies with IEC 60896-11
- Electrolyte: diluted sulphuric acid dN = 1.24 kg/l
- 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
- Manufactured in Europe in our ISO 9001 certified production plants



Design life  
in years: 15



Block battery



Grid plate



Recyclable



Low  
maintenance



Special high  
current  
performance

### RECYCLE WITH EXIDE.



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.



For more information please  
[contact your local dealer](#)

### EXIDE Distributionscenter Frankfurt a.M.

#### ACCU-24 Batterien & Systeme GmbH

Untergasse 5  
63688 Gedern  
Tel.: +49 (0) 06045 952520  
Fax: +49 (0) 06045 952966

[www.ACCU-24.de](http://www.ACCU-24.de)

[info@accu-24.de](mailto:info@accu-24.de)

**GNB**<sup>®</sup>  
INDUSTRIAL POWER  
A Division of Exide Technologies

**Classic**<sup>™</sup>

## TECHNICAL CHARACTERISTICS AND DATA

<b>Nominal voltage</b>	12 V
<b>Float charge</b>	2,23 V/C @ 20 °C
<b>Capacity</b>	CP 10min 1,6V/C 20°C 3597W/Bloc CC 10h 1,8V/C 20°C 158Ah
<b>Short circuit current</b>	2804 A (IEC60896-21/22)
<b>Internal resistance</b>	4,08 mΩ (IEC60896-21/22)
<b>Electrolyte density</b>	1,24 kg/l

<b>Terminal</b>	F-M8
<b>Terminal Torque</b>	12 Nm
<b>Container</b>	PP (Polypropylene)
<b>Temperature range</b>	-20°C to 55°C
<b>Dimensions (l x b/w x h)</b>	380 x 207 x 347 mm
<b>Weight</b>	64,2 kg
<b>Acid weight</b>	15,1 kg
<b>Origin</b>	La Cartuja, Spain

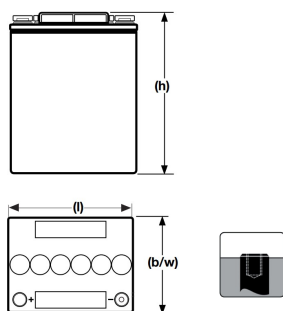
## CONSTANT POWER DISCHARGE

W @ 20 °C	0,5m	1m	3m	5m	10m	15m	20m	30m	45m	1h	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h
1,900 V/C	2760	2724	2584	2444	2095	1793	1571	1292	1048	908	698	582	435	351	294	254	224	199	180	163
1,870 V/C	3492	3492	3259	3003	2444	2095	1798	1455	1156	978	764	626	466	378	319	275	242	216	195	178
1,850 V/C	3841	3841	3550	3213	2654	2235	1938	1554	1214	1013	792	649	477	390	329	285	250	224	202	184
1,830 V/C	3841	3841	3608	3282	2724	2351	2025	1624	1261	1042	811	663	487	399	338	292	257	229	208	189
1,800 V/C	3841	3841	3667	3422	2829	2444	2130	1711	1315	1071	834	681	499	407	345	299	263	235	212	194
1,750 V/C	4889	4889	4307	3911	3178	2666	2287	1804	1366	1098	853	695	508	412	349	303	268	239	217	195
1,700 V/C	5727	5587	4772	4260	3370	2794	2375	1845	1385	1106	854	695	508	413	350	304	269	242	219	197
1,650 V/C	6286	6111	5238	4540	3527	2887	2427	1862	1389	1112	857	698	510	414	350	305	269	242	220	198
1,600 V/C	6984	6635	5587	4749	3597	2933	2444	1868	1393	1112	857	698	510	415	351	306	270	243	221	198

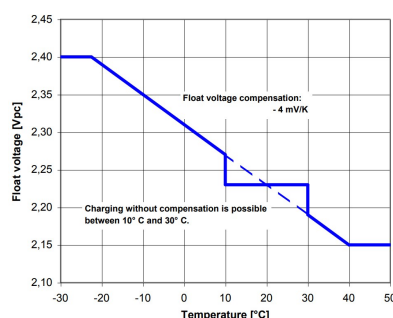
## CONSTANT CURRENT DISCHARGE

A @ 20 °C	0,5m	1m	3m	5m	10m	15m	30m	45m	1h	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h
1,900 V/C	253	252	244	217	175	147	109	88,5	76,2	59,4	48,6	36,3	29,2	24,3	20,9	18,2	16,2	14,7	13,6
1,870 V/C	279	279	256	237	199	172	125	97,8	83,2	64,8	52,7	39,2	31,7	26,4	22,6	19,7	17,5	15,7	14,5
1,850 V/C	321	315	291	265	220	189	133	104	87,3	67,1	55	40,5	32,9	27,5	23,5	20,5	18,2	16,4	15
1,830 V/C	376	367	326	293	237	200	140	109	90,2	69,5	56,5	41,3	33,6	28,2	24,2	21	18,7	16,7	15,3
1,800 V/C	396	384	349	321	262	221	148	115	93,7	71,8	58,5	42,5	34,5	28,8	24,8	21,8	19,4	17,4	15,8
1,750 V/C	468	454	407	363	297	244	158	120	97,1	73,7	59,7	43,3	35,1	29,6	25,4	22,2	19,7	17,7	16,1
1,700 V/C	576	547	466	405	318	258	164	123	98,4	74,5	60,5	43,7	35,2	29,7	25,4	22,3	19,8	17,8	16,2
1,650 V/C	662	629	512	447	335	268	165	123	98,9	74,9	60,8	43,8	35,4	29,7	25,5	22,3	19,9	17,9	16,3
1,600 V/C	742	698	571	482	346	272	166	124	99,5	75,3	60,9	44	35,4	29,8	25,6	22,4	19,9	17,9	16,3

## Technical drawing



## Float Voltage vs Temperature



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