

# Classic Energy Bloc / EB 6240

## 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: NVEB060240WC0FB**

### 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](#)

## TECHNICAL CHARACTERISTICS AND DATA

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| <b>Nominal voltage</b>       | 6 V                                                         |
| <b>Float charge</b>          | 2,23 V/C @ 20 °C                                            |
| <b>Capacity</b>              | CP 10min 1,6V/C 20°C 2698W/Bloc<br>CC 10h 1,8V/C 20°C 237Ah |
| <b>Short circuit current</b> | 3797 A (IEC60896-21/22)                                     |
| <b>Internal resistance</b>   | 1,43 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> | 272 x 207 x 347 mm |
| <b>Weight</b>                   | 46 kg              |
| <b>Acid weight</b>              | 11 kg              |
| <b>Origin</b>                   | La Cartuja, Spain  |

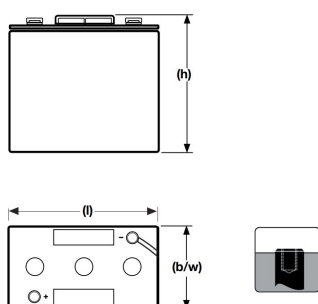
## CONSTANT POWER DISCHARGE

| 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 | 2070 | 2043 | 1938 | 1833 | 1571 | 1344 | 1179 | 969  | 786  | 681 | 524 | 437 | 326 | 263 | 221 | 191 | 168 | 149 | 135 | 122 |
| 1,870 V/C | 2619 | 2619 | 2444 | 2252 | 1833 | 1571 | 1349 | 1091 | 867  | 733 | 573 | 469 | 349 | 284 | 239 | 207 | 181 | 162 | 146 | 133 |
| 1,850 V/C | 2881 | 2881 | 2663 | 2409 | 1990 | 1676 | 1454 | 1165 | 911  | 744 | 582 | 487 | 358 | 292 | 247 | 214 | 188 | 168 | 152 | 138 |
| 1,830 V/C | 2881 | 2881 | 2706 | 2462 | 2043 | 1763 | 1519 | 1218 | 946  | 770 | 599 | 498 | 365 | 299 | 253 | 219 | 193 | 172 | 156 | 142 |
| 1,800 V/C | 2881 | 2881 | 2750 | 2567 | 2121 | 1833 | 1598 | 1283 | 986  | 787 | 613 | 511 | 374 | 306 | 258 | 224 | 197 | 176 | 159 | 145 |
| 1,750 V/C | 3667 | 3667 | 3230 | 2933 | 2383 | 1999 | 1715 | 1353 | 1024 | 807 | 627 | 522 | 381 | 309 | 262 | 227 | 201 | 180 | 162 | 146 |
| 1,700 V/C | 4295 | 4190 | 3579 | 3195 | 2527 | 2095 | 1781 | 1384 | 1039 | 829 | 640 | 522 | 381 | 310 | 263 | 228 | 202 | 181 | 164 | 148 |
| 1,650 V/C | 4714 | 4583 | 3929 | 3405 | 2645 | 2165 | 1820 | 1397 | 1042 | 834 | 643 | 524 | 383 | 310 | 263 | 228 | 202 | 182 | 165 | 148 |
| 1,600 V/C | 5238 | 4976 | 4190 | 3562 | 2698 | 2200 | 1833 | 1401 | 1045 | 834 | 643 | 524 | 383 | 311 | 263 | 229 | 203 | 182 | 165 | 149 |

## 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 | 359  | 359  | 348 | 309 | 249 | 220 | 164 | 133 | 114 | 89   | 72,9 | 54,4 | 43,9 | 36,5 | 31,3 | 27,3 | 24,3 | 22,1 | 20,3 |
| 1,870 V/C | 419  | 419  | 384 | 356 | 299 | 258 | 187 | 147 | 125 | 97,2 | 79   | 58,8 | 47,6 | 39,6 | 33,9 | 29,6 | 26,3 | 23,6 | 21,7 |
| 1,850 V/C | 462  | 449  | 415 | 378 | 313 | 269 | 199 | 156 | 131 | 101  | 82,5 | 60,8 | 49,3 | 41,2 | 35,2 | 30,7 | 27,3 | 24,5 | 22,4 |
| 1,830 V/C | 562  | 550  | 489 | 440 | 356 | 300 | 210 | 163 | 135 | 104  | 84,7 | 62   | 50,4 | 42,3 | 36,2 | 31,6 | 28   | 25,1 | 23   |
| 1,800 V/C | 594  | 576  | 524 | 482 | 393 | 332 | 222 | 172 | 141 | 108  | 87,7 | 63,8 | 51,7 | 43,3 | 37,2 | 32,7 | 29   | 26,1 | 23,8 |
| 1,750 V/C | 702  | 681  | 611 | 545 | 445 | 367 | 237 | 180 | 146 | 111  | 89,5 | 64,9 | 52,6 | 44,3 | 38   | 33,3 | 29,6 | 26,6 | 24,2 |
| 1,700 V/C | 864  | 821  | 698 | 608 | 477 | 388 | 246 | 184 | 148 | 112  | 90,8 | 65,5 | 52,8 | 44,5 | 38,2 | 33,4 | 29,7 | 26,8 | 24,4 |
| 1,650 V/C | 994  | 943  | 769 | 671 | 503 | 402 | 248 | 185 | 148 | 112  | 91,2 | 65,8 | 53   | 44,6 | 38,3 | 33,5 | 29,8 | 26,9 | 24,4 |
| 1,600 V/C | 1112 | 1048 | 856 | 723 | 519 | 409 | 250 | 186 | 149 | 113  | 91,3 | 66   | 53,1 | 44,7 | 38,4 | 33,6 | 29,9 | 26,9 | 24,5 |

## Technical drawing



## Float Voltage vs Temperature

