

## Marathon L-XL / XL6V180

### INDUSTRIAL BATTERIES / NETWORK POWER

Designed for durability in telecommunications and electric utility applications, the Marathon L/XL series provides high performance and reliability in medium and long duration discharge applications.

**Part Number:** NAXL060180HM0FA

#### APPLICATIONS



#### SPECIFICATIONS

- Maintenance-free (no topping up) during the whole service life
- High-Compression Absorbent Glass Mat (AGM) technology
- Design life: »> 12 years– Very Long Life« according to EUROBAT 2015 Classification
- Available as standard or flame retardant version (UL 94-V0)
- Grid plates with superior lead calcium alloy for excellent corrosion resistance
- Very low gassing due to internal gas recombination (99 % efficiency)
- Low self discharge rate, enabling extended storage capability
- Designed in accordance with IEC 60896-21/-22
- Approval: UL (Underwriter Laboratories)
- Trouble-free transportation of operational blocks and cells. no restriction for most rail, road, sea and air transportation (IATA, DGR clause A67)
- Manufactured in Europe in our ISO 9001 certified production plants



Design life  
> 12 years  
– Very Long  
Life



Block battery/  
single cell



Grid plate



Recyclable



Valve regulated  
lead-acid  
batteries



Maintenance  
free (no  
topping up)



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 leadacid batteries has been developed to ensure a safe and responsible life cycle for all ofits products.



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

## TECHNICAL CHARACTERISTICS AND DATA

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| <b>Nominal voltage</b>       | 6 V                                                         |
| <b>Float charge</b>          | 2,27 V/C @ 20 °C                                            |
| <b>Capacity</b>              | CP 10min 1,6V/C 20°C 2530W/Bloc<br>CC 10h 1,8V/C 20°C 179Ah |
| <b>Short circuit current</b> | 3934 A (IEC60896-21/22)                                     |
| <b>Internal resistance</b>   | 1,6 mΩ (IEC60896-21/22)                                     |

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Terminal</b>                 | F - M6                   |
| <b>Terminal Torque</b>          | 11 Nm                    |
| <b>Container</b>                | UL 94-HB (Polypropylene) |
| <b>Temperature range</b>        | -40°C to 55°C            |
| <b>Dimensions (l x b/w x h)</b> | 309 x 172 x 241 mm       |
| <b>Weight</b>                   | 29 kg                    |
| <b>Origin</b>                   | Castanheira, Portugal    |

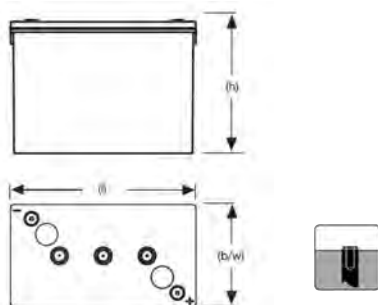
## CONSTANT POWER DISCHARGE

| W @ 20 °C | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h | 20 h |
|-----------|-------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-----|------|------|
| 1,900 V/C | 1680  | 1570   | 1310   | 1120   | 876    | 683    | 565 | 334 | 246 | 155 | 106 | 91,8 | 50,9 |
| 1,850 V/C | 2140  | 1880   | 1520   | 1270   | 978    | 750    | 629 | 366 | 268 | 173 | 117 | 97,9 | 55,1 |
| 1,800 V/C | 2510  | 2130   | 1680   | 1390   | 1040   | 796    | 661 | 387 | 285 | 181 | 121 | 101  | 57,2 |
| 1,750 V/C | 2740  | 2280   | 1780   | 1460   | 1090   | 830    | 688 | 398 | 293 | 187 | 124 | 102  | 58,1 |
| 1,700 V/C | 2960  | 2420   | 1860   | 1510   | 1110   | 838    | 696 | 403 | 297 | 191 | 127 | 103  | 58,6 |
| 1,650 V/C | 3160  | 2480   | 1900   | 1530   | 1120   | 844    | 701 | 407 | 301 | 193 | 128 | 104  | 58,8 |
| 1,600 V/C | 3260  | 2530   | 1940   | 1540   | 1130   | 848    | 704 | 409 | 303 | 194 | 128 | 104  | 58,8 |

## CONSTANT CURRENT DISCHARGE

| A @ 20 °C | 3 min | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h  | 3 h  | 5 h  | 8 h  | 10 h | 20 h |
|-----------|-------|-------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------|
| 1,950 V/C | 212   | 212   | 191    | 173    | 155    | 124    | 97     | 81  | 48   | 33,8 | 23,1 | 15,5 | 13,7 | 7,2  |
| 1,900 V/C | 314   | 314   | 256    | 222    | 192    | 148    | 114    | 95  | 55   | 39,5 | 27   | 18,3 | 16,2 | 8,5  |
| 1,850 V/C | 409   | 409   | 315    | 265    | 224    | 168    | 125    | 103 | 60,3 | 43,3 | 30,7 | 20,4 | 17   | 9    |
| 1,800 V/C | 482   | 482   | 355    | 289    | 242    | 181    | 135    | 110 | 63,8 | 46,7 | 32,2 | 21,4 | 17,9 | 9,4  |
| 1,750 V/C | 540   | 540   | 385    | 309    | 256    | 189    | 141    | 114 | 66   | 48,1 | 33,1 | 22   | 18,3 | 9,7  |
| 1,700 V/C | 592   | 592   | 414    | 327    | 265    | 194    | 144    | 116 | 67,4 | 49   | 33,9 | 22,4 | 18,7 | 9,8  |
| 1,650 V/C | 642   | 642   | 430    | 336    | 272    | 198    | 146    | 118 | 68,6 | 50   | 34,1 | 22,6 | 18,8 | 9,9  |
| 1,600 V/C | 672   | 672   | 446    | 348    | 279    | 201    | 148    | 120 | 69,1 | 50,3 | 34,2 | 22,7 | 18,8 | 9,9  |

## Technical drawing



## Float Voltage vs Temperature

