

Marathon L-XL / XL12V85

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: **NAXL120085HM0FA**

APPLICATIONS

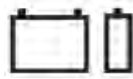


SPECIFICATIONS

- 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.

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

info@accu-24.de



TECHNICAL CHARACTERISTICS AND DATA

| | |
|------------------------------|--|
| Nominal voltage | 12 V |
| Float charge | 2,27 V/C @ 20 °C |
| Capacity | CP 10min 1,6V/C 20°C 2270W/Bloc CC 10h 1,8V/C 20°C 86Ah |
| Short circuit current | 2192 A (IEC60896-21/22) |
| Internal resistance | 5,7 mΩ (IEC60896-21/22) |

| | |
|---------------------------------|--------------------------|
| Terminal | F - M6 |
| Terminal Torque | 11 Nm |
| Container | UL 94-HB (Polypropylene) |
| Temperature range | -40°C to 55°C |
| Dimensions (l x b/w x h) | 309 x 172 x 239 mm |
| Weight | 28,3 kg |
| Origin | Castanheira, Portugal |

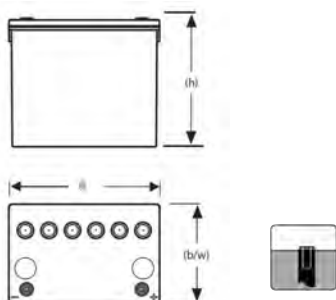
CONSTANT POWER DISCHARGE

| 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 | 1770 | 1380 | 1180 | 1070 | 854 | 647 | 534 | 327 | 244 | 152 | 106 | 91,7 | 48,7 |
| 1,850 V/C | 2110 | 1630 | 1370 | 1220 | 943 | 712 | 589 | 358 | 266 | 168 | 116 | 98,8 | 52,8 |
| 1,800 V/C | 2370 | 1860 | 1540 | 1330 | 1020 | 759 | 622 | 375 | 276 | 177 | 121 | 102 | 54,7 |
| 1,750 V/C | 2680 | 2000 | 1600 | 1380 | 1050 | 780 | 640 | 380 | 282 | 182 | 123 | 103 | 55,6 |
| 1,700 V/C | 2940 | 2110 | 1660 | 1400 | 1060 | 791 | 649 | 385 | 286 | 184 | 124 | 104 | 55,9 |
| 1,650 V/C | 3200 | 2210 | 1700 | 1420 | 1070 | 801 | 657 | 388 | 288 | 185 | 125 | 105 | 56,1 |
| 1,600 V/C | 3310 | 2270 | 1740 | 1440 | 1080 | 810 | 663 | 391 | 290 | 186 | 125 | 105 | 56,2 |

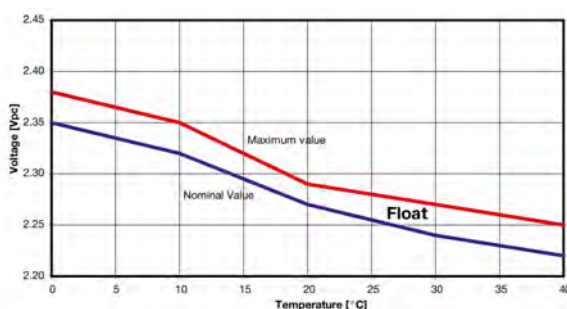
CONSTANT CURRENT DISCHARGE

| 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 | 114 | 114 | 94,5 | 82 | 76,3 | 62,1 | 47,5 | 38,1 | 23,1 | 17,1 | 11,3 | 7,6 | 6,5 | 3,4 |
| 1,900 V/C | 161 | 161 | 122 | 102 | 92 | 72,6 | 54,5 | 44,4 | 27,3 | 20,1 | 13,5 | 9,1 | 7,8 | 4,1 |
| 1,850 V/C | 201 | 201 | 147 | 121 | 105 | 81,4 | 60,4 | 49,7 | 29,9 | 22,2 | 14,9 | 9,9 | 8,2 | 4,3 |
| 1,800 V/C | 234 | 234 | 168 | 134 | 116 | 88 | 64,7 | 52,6 | 31 | 23,1 | 15,7 | 10,3 | 8,6 | 4,5 |
| 1,750 V/C | 258 | 258 | 178 | 142 | 121 | 90,2 | 66,9 | 53,9 | 32,1 | 23,9 | 16,1 | 10,7 | 8,8 | 4,6 |
| 1,700 V/C | 289 | 289 | 190 | 148 | 125 | 92,4 | 68,5 | 55,3 | 32,9 | 24,5 | 16,5 | 10,8 | 8,9 | 4,7 |
| 1,650 V/C | 319 | 319 | 201 | 154 | 129 | 94,6 | 70,1 | 56,7 | 33,6 | 24,9 | 16,7 | 10,9 | 8,9 | 4,7 |
| 1,600 V/C | 334 | 334 | 208 | 158 | 131 | 96,2 | 71,2 | 57,5 | 33,9 | 25,1 | 16,7 | 10,9 | 8,9 | 4,7 |

Technical drawing



Float Voltage vs Temperature



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

info@accu-24.de

