

Frontterminal 12MVR100TA

Art nr: 78509

Product design features

- 12+ years design life, EUROBAT specification Long Life
- Extremely high cyclic life and float life performance
- Wide range of operating temperature -20°C to +55°C
- One-way valve regulated system with flame-arrestor
- Internal gas recombination efficiency 98% - 99%
- Easy for installation, maintenance free product
- Delivered ready for use
- Shock resistant ABS flame retardant container and lid
- Three-layer terminal sealing for leak-free operation
- Female M8 brass terminals with no need for retightening
- Non-hazardous cargo for ground, sea and air transport
- Fully recyclable product



| Electrical Characteristics | |
|------------------------------|---------------------------------------|
| Nominal voltage | 12 Volts |
| 10 hour capacity to 1.80 Vpc | 92.0 Ah |
| 8 hour capacity to 1.75 Vpc | 91.0 Ah |
| Float voltage | 2.27 Vpc at 20°C, 2.25 Vpc at 25°C |
| Accelerated recharge | According to operational instructions |
| Shelf life | Up to 1 year |
| Short circuit current | 1910 Amps |
| Internal resistance | 5.9 mΩ |

MONBAT PLC.is certified för ISO 9001,
ISO 14001, OHSAS 18001, AQAP 2110

| Mechanical Characteristics | | |
|----------------------------|----------|--------------|
| | SI Units | US Units |
| Length | 395 mm | 15.6 inches |
| Width | 105 mm | 4.13 inches |
| Height | 280 mm | 11.3 inches |
| Typical Weight | 28.4 kg | 60.6 lbs |
| Terminal Torque | 7.0 Nm | 61.96 in.lbs |

All MONBAT VRLA batteries are fully
compliant with IEC 60 896 - 21/22,
EN 60 896 - part 2, BS 6290 - part 4

| Discharge performance at constant current discharge (A) for battery 12MVR100TA at 20°C | | | | | | | | | | | | |
|--|-------|--------|--------|------|------|------|------|------|------|------|------|------|
| Uf, Vpc | 5 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
| 1.60 | 233 | 132 | 95 | 57.8 | 33.6 | 24.6 | 19.7 | 16.5 | 14.2 | 11.4 | 9.5 | 5.07 |
| 1.65 | 229 | 132 | 94 | 57.5 | 33.5 | 24.5 | 19.6 | 16.4 | 14.2 | 11.3 | 9.4 | 5.04 |
| 1.70 | 225 | 131 | 94 | 57.2 | 33.3 | 24.4 | 19.5 | 16.3 | 14.1 | 11.3 | 9.4 | 5.02 |
| 1.75 | 223 | 130 | 93 | 56.7 | 33.0 | 24.2 | 19.3 | 16.2 | 13.9 | 11.2 | 9.3 | 4.97 |
| 1.80 | 221 | 129 | 92 | 56.1 | 32.7 | 23.9 | 19.1 | 16.0 | 13.8 | 11.0 | 9.2 | 4.92 |
| 1.85 | 215 | 125 | 90 | 54.7 | 31.8 | 23.3 | 18.6 | 15.6 | 13.5 | 10.8 | 9.0 | 4.80 |

| Discharge performance at constant power discharge (W per cell) for battery 12MVR100TA at 20°C | | | | | | | | | | | | |
|---|-------|--------|--------|-------|------|------|------|------|------|------|-------|-------|
| Uf, Vpc | 5 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
| 1.60 | 466 | 265 | 190 | 115.6 | 67.3 | 49.3 | 39.3 | 33.0 | 28.4 | 22.7 | 19.0 | 10.14 |
| 1.65 | 453 | 264 | 189 | 115.0 | 67.0 | 49.1 | 39.2 | 32.8 | 28.3 | 22.6 | 18.9 | 10.08 |
| 1.70 | 449 | 263 | 188 | 114.4 | 66.6 | 48.6 | 39.0 | 32.6 | 28.2 | 22.5 | 18.8 | 10.04 |
| 1.75 | 446 | 261 | 186 | 113.3 | 66.0 | 48.1 | 38.5 | 32.3 | 27.9 | 22.2 | 18.6 | 9.94 |
| 1.80 | 442 | 258 | 1894 | 112.2 | 65.3 | 47.8 | 38.2 | 32.0 | 27.6 | 22.1 | 18.4 | 9.84 |
| 1.85 | 431 | 251 | 180 | 109.5 | 63.7 | 46.6 | 37.3 | 31.2 | 26.9 | 21.5 | 17.94 | 9.6 |