

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 at 100% of its nominal capacity
- 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

| | at 20°C | at 25°C |
|------------------------------|--------------------------------|---------------|
| Nominal voltage | 6 Volts | |
| 10 hour capacity to 1.80 Vpc | 201.0 Ah | 207.0 Ah |
| 8 hour capacity to 1.75 Vpc | 196.8 Ah | 202.4 Ah |
| Float voltage | 2.27 Vpc ± 1% | 2.26 Vpc ± 1% |
| Accelerated charge voltage | 2.40 Vpc without current limit | |
| Shelf life | 1 year | |
| Short circuit current | 4475 Amps | |
| Internal resistance | 1.37 mΩ | |

MONBAT is proud to be certified for ISO 9001:2000,
ISO 14001:1996, OHSAS 18001:1999, AQAP 2110

Mechanical Characteristics

| | SI Units | US Units |
|-----------------|----------|-------------|
| Length | 386 mm | 15.2 inches |
| Width | 168 mm | 6.6 inches |
| Height | 232 mm | 9.1 inches |
| Weight | 41.0 kg | 90.4 lbs |
| Terminal Torque | 9.0 Nm | 79.6 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 6MVR200 at 20°C

| Uf, Vpc | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------|-------|--------|--------|--------|--------|--------|-------|------|------|------|------|------|------|------|
| 1.60 | 683.3 | 480.0 | 377.8 | 311.1 | 233.3 | 166.1 | 132.6 | 76.3 | 55.9 | 44.6 | 37.3 | 25.2 | 20.9 | 11.4 |
| 1.65 | 626.7 | 458.9 | 366.9 | 304.4 | 228.9 | 162.4 | 128.8 | 75.6 | 55.6 | 44.1 | 36.8 | 25.0 | 20.7 | 11.2 |
| 1.70 | 578.9 | 432.2 | 350.0 | 294.4 | 221.1 | 157.9 | 126.7 | 74.6 | 54.9 | 43.8 | 36.7 | 24.8 | 20.6 | 11.1 |
| 1.75 | 524.4 | 409.3 | 334.4 | 284.4 | 212.8 | 152.0 | 122.4 | 72.7 | 54.1 | 43.2 | 36.1 | 24.6 | 20.3 | 11.0 |
| 1.80 | 462.2 | 367.8 | 310.0 | 264.4 | 198.7 | 145.1 | 117.3 | 71.0 | 52.8 | 42.1 | 35.4 | 24.1 | 20.1 | 10.8 |
| 1.85 | 394.4 | 324.0 | 277.8 | 233.3 | 176.0 | 132.8 | 108.9 | 67.0 | 50.0 | 40.0 | 33.9 | 22.9 | 19.2 | 10.4 |

Discharge performance at constant current discharge (A) for battery 6MVR200 at 25°C

| Uf, Vpc | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------|-------|--------|--------|--------|--------|--------|-------|------|------|------|------|------|------|------|
| 1.60 | 703.8 | 494.4 | 389.1 | 320.4 | 240.3 | 171.1 | 136.5 | 78.6 | 57.6 | 45.9 | 38.5 | 26.0 | 21.5 | 11.8 |
| 1.65 | 645.5 | 472.7 | 377.9 | 313.6 | 235.8 | 167.3 | 132.6 | 77.8 | 57.2 | 45.4 | 37.9 | 25.8 | 21.3 | 11.6 |
| 1.70 | 596.3 | 445.2 | 360.5 | 303.3 | 227.7 | 162.6 | 130.5 | 76.8 | 56.5 | 45.1 | 37.8 | 25.5 | 21.2 | 11.4 |
| 1.75 | 540.2 | 421.6 | 344.5 | 293.0 | 219.2 | 156.6 | 126.1 | 74.8 | 55.7 | 44.5 | 37.2 | 25.3 | 20.9 | 11.3 |
| 1.80 | 476.1 | 378.8 | 319.3 | 272.4 | 204.6 | 149.5 | 120.9 | 73.1 | 54.4 | 43.4 | 36.5 | 24.8 | 20.7 | 11.1 |
| 1.85 | 406.3 | 333.7 | 286.1 | 240.3 | 181.3 | 136.8 | 112.2 | 69.0 | 51.5 | 41.2 | 34.9 | 23.6 | 19.8 | 10.8 |

Discharge performance at constant power discharge (W per cell) for battery 6MVR200 at 20°C

| Uf, Vpc | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------|-------|--------|--------|--------|--------|--------|-------|-------|------|------|------|------|------|------|
| 1.60 | 985.2 | 713.0 | 563.0 | 466.7 | 356.7 | 268.6 | 220.3 | 135.2 | 99.3 | 78.7 | 65.9 | 45.9 | 39.0 | 22.0 |
| 1.65 | 937.0 | 685.2 | 548.1 | 459.3 | 350.7 | 264.2 | 214.8 | 133.3 | 98.9 | 78.4 | 65.6 | 45.7 | 38.5 | 21.7 |
| 1.70 | 881.5 | 663.0 | 527.8 | 446.3 | 345.6 | 259.3 | 212.9 | 132.2 | 97.4 | 77.8 | 64.8 | 45.2 | 38.4 | 21.6 |
| 1.75 | 825.9 | 629.6 | 503.7 | 425.9 | 333.3 | 252.9 | 208.4 | 130.7 | 96.7 | 76.8 | 64.2 | 44.7 | 38.3 | 21.4 |
| 1.80 | 737.0 | 563.0 | 459.3 | 394.6 | 313.6 | 242.2 | 203.4 | 127.4 | 94.1 | 75.3 | 63.0 | 44.0 | 37.3 | 21.2 |
| 1.85 | 624.1 | 492.6 | 405.2 | 351.9 | 281.5 | 222.2 | 187.8 | 121.5 | 90.0 | 72.2 | 60.5 | 42.6 | 36.0 | 20.7 |

Discharge performance at constant power discharge (W per cell) for battery 6MVR200 at 25°C

| Uf, Vpc | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|------|------|------|------|
| 1.60 | 1014.7 | 734.4 | 579.9 | 480.7 | 367.4 | 276.7 | 226.9 | 139.2 | 102.2 | 81.1 | 67.9 | 47.3 | 40.2 | 22.6 |
| 1.65 | 965.1 | 705.7 | 564.6 | 473.0 | 361.3 | 272.1 | 221.3 | 137.3 | 101.9 | 80.8 | 67.5 | 47.0 | 39.7 | 22.4 |
| 1.70 | 907.9 | 682.9 | 543.6 | 459.7 | 355.9 | 267.0 | 219.2 | 136.2 | 100.3 | 80.1 | 66.8 | 46.5 | 39.6 | 22.2 |
| 1.75 | 850.7 | 648.5 | 518.8 | 438.7 | 343.3 | 260.4 | 214.7 | 134.7 | 99.6 | 79.1 | 66.1 | 46.0 | 39.4 | 22.0 |
| 1.80 | 759.1 | 579.9 | 473.0 | 406.4 | 323.0 | 249.5 | 209.5 | 131.2 | 96.9 | 77.6 | 64.9 | 45.3 | 38.4 | 21.9 |
| 1.85 | 642.8 | 507.4 | 417.3 | 362.4 | 289.9 | 228.9 | 193.4 | 125.1 | 92.7 | 74.4 | 62.3 | 43.9 | 37.1 | 21.4 |