

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	6 Volts
10 hour capacity to 1.80 Vpc	207 Ah
8 hour capacity to 1.75 Vpc	199.2 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	4450 Amps
Internal resistance	1.4 mΩ

MONBAT Plc. is certified for ISO 9001,
 ISO 14001, OHSAS 18001, AQAP 2110



Mechanical Characteristics

	SI Units	US Units
Length	389 mm	15.2 inches
Width	171 mm	6.6 inches
Height	238 mm	9.1 inches
Typical Weight	35.0 kg	77.2 lbs
Terminal Torque	8.0 Nm	70.8 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 25°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	814	391	242	137	78.8	58.3	47.7	38.8	32.4	25.5	21.5	11.7
1.65	721	371	237	134	78.1	57.6	47.4	38.6	32.2	25.3	21.3	11.5
1.70	597	350	227	131	76.9	56.7	47.1	38.3	32.0	25.1	21.2	11.4
1.75	474	330	211	128	75.1	55.8	46.5	37.6	31.6	24.9	20.9	11.3
1.80	371	258	175	123	73.6	54.9	45.3	37.1	30.9	24.4	20.7	11.1
1.85	299	196	144	115	69.9	53.8	43.2	35.1	29.9	23.2	19.8	10.7

Discharge performance at constant power discharge (W per cell) for battery 6MVR200 at 25°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	1293	743	427	270	153.4	112.8	87.7	72.2	61.8	49.7	43.2	22.2
1.65	1169	724	419	267	152.4	112.1	87.0	71.7	61.4	49.2	42.6	22.0
1.70	1087	694	407	263	151.1	110.9	86.7	71.3	60.9	48.8	42.3	21.9
1.75	984	672	386	255	148.8	109.1	85.4	70.2	60.3	48.4	41.4	21.7
1.80	881	597	369	241	144.4	106.0	83.5	68.8	59.2	47.4	40.7	21.5
1.85	639	475	312	217	136.3	100.2	79.4	65.7	57.1	45.5	40.0	20.7