

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	2 Volts
10 hour capacity to 1.80 Vpc	600.0 Ah
8 hour capacity to 1.75 Vpc	600.0 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	6700 Amps
Internal resistance	0.31 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	36.0 kg	79.4 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 2MVR600 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	2112	1167	721	403	235.7	169.1	136.7	113.2	97.7	76.6	62.0	33.6
1.65	1936	1134	707	395	233.5	168.1	136.1	112.9	97.4	76.3	61.8	33.4
1.70	1789	1082	683	386	230.4	166.0	134.9	112.5	97.0	75.7	61.5	33.2
1.75	1621	1033	658	375	224.5	163.8	133.2	111.0	95.7	75.0	61.1	32.8
1.80	1428	958	614	358	219.4	159.7	129.7	108.8	93.8	73.5	60.0	32.2
1.85	1219	858	544	335	207.0	152.5	123.3	103.5	90.3	69.6	57.3	31.2

Discharge performance at constant power discharge (W per cell) for battery 2MVR600 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	3040	1740	1102	660	417.8	301.9	243.8	203.7	175.1	141.7	119.7	67.0
1.65	2890	1694	1084	652	413.1	299.6	242.2	202.1	173.9	140.8	118.9	66.7
1.70	2724	1631	1061	643	408.6	296.7	240.3	200.3	172.4	139.6	117.8	66.3
1.75	2552	1556	1030	631	404.0	292.6	237.2	198.3	170.5	138.1	116.6	65.8
1.80	2277	1419	969	612	393.7	284.6	232.7	194.6	167.7	135.8	114.5	65.2
1.85	1928	1252	870	567	375.3	272.0	223.2	186.9	161.8	131.6	111.4	64.1