

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	414.0 Ah
8 hour capacity to 1.75 Vpc	404.8 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	5330 Amps
Internal resistance	0.39 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	28.5 kg	62.8 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 power discharge (A) for battery 2MVR400 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	1408	778	481	269	157.3	112.9	91.8	76.9	65.9	51.9	43.0	23.6
1.65	1291	756	471	260	155.7	112.2	90.9	75.7	64.9	51.5	42.6	23.1
1.70	1193	721	455	256	153.6	110.8	90.2	75.5	64.7	51.1	42.3	22.9
1.75	1081	689	439	247	149.7	109.2	89.1	74.4	63.8	50.6	41.9	22.7
1.80	952	639	409	237	146.3	106.5	86.7	73.0	62.5	49.7	41.4	22.2
1.85	813	572	363	220	138.0	100.7	82.4	69.8	60.2	47.1	39.6	21.5

**Discharge performance at constant power discharge (W per cell) for battery 2MVR400 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	2029	1160	735	446	278.5	200.5	162.1	135.8	117.1	94.6	80.3	45.3
1.65	1930	1129	723	435	274.7	199.7	161.5	135.1	116.4	94.1	79.3	44.8
1.70	1816	1087	712	431	272.4	196.6	160.2	133.5	115.1	93.1	79.1	44.5
1.75	1701	1037	687	421	269.3	195.1	158.1	132.2	114.0	92.1	78.8	44.0
1.80	1518	946	646	411	262.5	189.7	155.1	129.7	111.8	90.5	76.8	43.7
1.85	1285	835	580	378	250.2	181.3	148.8	124.6	107.9	87.7	74.3	42.7