

### 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	4 Volts
10 hour capacity to 1.80 Vpc	311.0 Ah
8 hour capacity to 1.75 Vpc	304 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	5040 Amps
Internal resistance	0.81 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 4MVR300 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	1056	583	361	201	117.9	84.7	68.9	57.7	49.5	39.0	32.3	17.7
1.65	968	567	354	195	116.8	84.2	68.1	56.8	48.7	38.6	31.9	17.4
1.70	895	541	341	192	115.2	83.1	67.6	56.7	48.5	38.3	31.8	17.1
1.75	810	517	329	185	112.3	81.9	66.8	55.8	47.8	38.0	31.4	17.0
1.80	714	479	307	178	109.7	79.8	65.0	54.7	46.9	37.2	31.1	16.6
1.85	609	429	272	165	103.5	75.6	61.8	52.4	45.1	35.4	29.7	16.1

#### Discharge performance at constant power discharge (W per cell) for battery 4MVR300 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	1522	870	551	334	208.9	150.3	121.6	101.9	87.8	71.0	60.3	33.9
1.65	1448	847	542	331	206.0	149.8	121.1	101.3	87.3	70.6	59.5	33.6
1.70	1362	815	534	323	204.3	147.4	120.1	100.1	86.3	69.8	59.3	33.4
1.75	1276	778	515	316	202.0	146.3	118.6	99.2	85.5	69.1	59.1	33.0
1.80	1139	710	485	308	196.8	142.3	116.3	97.3	83.8	67.9	57.6	32.8
1.85	964	626	435	284	187.7	136.0	111.6	93.4	80.9	65.8	55.7	32.0