

### Product design features:

- 12+ years design life, EUROBAT Long Life, AGM Battery
- 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	12 Volts
10 hour capacity to 1.80 Vpc	162.0 Ah
8 hour capacity to 1.75 Vpc	160.0 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	3007 Amps
Internal resistance	3.68 mΩ

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



#### Mechanical Characteristics

	SI Units	US Units
Length	555 mm	21.8 inches
Width	125 mm	4.9 inches
Height	320 mm	12.6 inches
Typical Weight	52.6 kg	115.9 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 12MVR170 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	458	262	163	110	60.9	44.2	35.4	31.0	25.9	20.6	16.8	9.5
1.65	435	255	160	108	60.4	43.7	35.1	30.9	25.7	20.4	16.7	9.4
1.70	405	245	155	105	59.5	43.0	34.6	30.3	25.3	20.2	16.6	9.3
1.75	362	235	150	104	58.9	42.5	34.3	30.0	25.1	20.0	16.3	9.2
1.80	315	215	141	101	57.3	41.6	33.6	29.6	24.7	19.7	16.2	9.0
1.85	260	191	128	93	54.4	39.9	32.6	28.7	24.1	19.1	15.7	8.5

#### Discharge performance at constant power discharge (W per cell) for battery 12MVR170 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	874	538	327	206	114.1	85.3	69.0	57.8	48.6	39.4	32.9	17.5
1.65	836	519	322	202	112.8	84.3	68.7	57.6	48.4	39.2	32.6	17.3
1.70	770	498	313	199	111.6	83.2	68.0	57.5	48.2	38.8	32.5	17.2
1.75	697	469	303	193	110.2	82.8	67.7	57.0	48.2	38.4	32.3	17.1
1.80	614	433	283	189	109.0	82.0	67.0	56.2	47.6	37.9	31.6	17.0
1.85	520	382	259	178	105.4	81.9	66.0	54.8	46.4	37.0	31.1	16.8