

### 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	12 Volts
10 hour capacity to 1.80 Vpc	152.0 Ah
8 hour capacity to 1.75 Vpc	145.6 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	2910 Amps
Internal resistance	3.70 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	51.2 kg	112.9 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 12MVR150 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	444	250	151	100	56.0	41.4	33.8	28.7	24.2	18.7	15.9	8.42
1.65	420	241	148	97	55.0	40.9	33.4	28.6	24.1	18.6	15.8	8.31
1.70	391	232	144	95	54.0	40.0	33.0	28.4	23.8	18.4	15.6	8.23
1.75	347	221	141	92	53.2	39.8	32.8	28.0	23.7	18.2	15.4	8.16
1.80	303	204	134	90	52.3	39.5	32.5	27.8	23.5	18.0	15.2	8.12
1.85	242	182	121	84	50.0	39.0	32.2	27.1	23.0	17.5	14.7	7.90

#### Discharge performance at constant power discharge (W per cell) for battery 12MVR150 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	843	516	305	195	107.6	80.8	67.7	55.8	47.6	37.0	31.3	16.0
1.65	797	498	299	191	106.1	80.3	67.3	55.6	47.4	36.8	31.1	15.9
1.70	732	476	292	189	104.6	79.0	66.5	55.5	47.2	36.4	31.0	15.8
1.75	667	448	287	182	103.1	78.5	66.2	55.0	47.2	36.1	30.8	15.7
1.80	591	412	274	180	101.9	78.3	65.5	54.1	46.6	35.6	30.0	15.6
1.85	495	364	247	170	97.8	78.1	64.8	52.6	45.2	34.5	29.4	15.4