



### 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	190.0 Ah
8 hour capacity to 1.75 Vpc	187.2 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	3165 Amps
Internal resistance	3.00 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	59.2 kg	130.5 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 12MVR200 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	545	339	223	129	76.0	52.4	41.4	34.4	29.9	23.9	19.4	10.4
1.65	537	328	219	127	75.6	51.2	41.3	34.3	29.8	23.8	19.3	10.3
1.70	497	316	212	124	75.2	51.0	41.2	34.2	29.7	23.5	19.2	10.2
1.75	442	298	201	122	74.6	50.8	40.7	34.0	29.6	23.4	19.1	10.1
1.80	382	278	174	116	73.9	50.3	40.2	33.6	29.4	22.9	19.0	10.0
1.85	336	245	167	109	72.7	49.4	39.5	32.9	28.8	22.6	18.7	9.8

#### Discharge performance at constant power discharge (W per cell) for battery 12MVR200 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	949	590	387	241	135.6	101.9	79.2	66.8	56.9	46.1	37.5	20.5
1.65	934	570	381	235	135.0	99.5	79.1	66.7	56.6	45.8	37.2	20.2
1.70	864	550	369	230	134.2	98.4	78.8	66.5	56.6	45.4	37.0	20.0
1.75	769	519	348	227	133.3	98.2	78.0	66.1	56.5	44.8	36.6	19.8
1.80	665	484	303	216	131.9	95.8	77.5	65.3	56.1	44.1	36.5	19.6
1.85	582	426	290	203	129.5	96.1	75.5	63.9	54.8	44.0	36.2	19.5