

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	70.0 Ah
8 hour capacity to 1.75 Vpc	66.4 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	1620 Amps
Internal resistance	7.7 mΩ

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

Mechanical Characteristics

	SI Units	US Units
Length	395 mm	15.55 inches
Width	105 mm	4.13 inches
Height	255 mm	10.04 inches
Typical Weight	22.5 kg	49.6 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 12MVR65TA 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	230	117	70	46	26.6	18.6	15.0	13.2	10.9	8.7	7.3	3.9
1.65	212	115	68	45	26.4	18.5	14.9	13.1	10.8	8.5	7.3	3.9
1.70	196	112	67	44	26.1	18.3	14.8	13.0	10.7	8.4	7.2	3.8
1.75	168	104	65	43	25.8	18.1	14.7	12.8	10.5	8.3	7.1	3.7
1.80	141	98	63	42	24.7	17.8	14.4	12.6	10.3	8.2	7.0	3.7
1.85	110	84	57	40	23.6	17.0	13.7	11.9	9.8	7.7	6.6	3.5

Discharge performance at constant power discharge (W per cell) for battery 12MVR65TA 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	372	215	131	84	46.2	35.9	28.4	24.1	20.1	15.9	14.0	7.3
1.65	355	211	128	82	45.8	35.9	28.2	24.0	20.2	15.7	13.9	7.2
1.70	324	205	125	81	45.5	35.7	28.0	23.8	20.0	15.5	13.6	7.2
1.75	300	194	123	80	45.1	35.2	27.8	23.6	19.6	15.3	13.2	7.1
1.80	268	179	118	78	44.6	34.8	27.4	23.2	19.3	15.0	13.0	7.0
1.85	221	158	109	76	43.4	33.2	26.6	22.0	18.5	14.2	12.4	6.6