

6MVR200 TOP TERMINAL AGM VRLA

PRODUCT CHARACTERISTICS:

- Valve-regulated lead-acid battery
- Stationary and reserve power applications
- EUROBAT design life definition: Very Long Life 12+ years
- Extremely long float life performance
- Superior cycling endurance
- Compact design with high energy density
- ETSI Rack integration
- Low installation cost, maintenance free product
- Sealed for leak-proof operation
- Delivered ready for use
- Non-hazardous cargo for ground, sea and air transport
- Fully recyclable product



PERFORMANCE CHARACTERISTICS

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (AH) FOR BATTERY 6MVR200 AT 20°C

Uf, Vpc	5 min	15 min	30 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.6	42.0	72.0	103.0	125.6	146.2	160.6	171.0	179.2	185.4	197.8	206.0	220.4
1.65	42.0	72.0	103.0	125.0	145.6	160.0	170.2	178.4	184.6	196.8	205.0	219.2
1.7	41.0	71.0	102.0	124.4	144.8	159.2	169.4	177.4	183.6	195.8	204.0	218.2
1.75	40.0	71.0	101.0	123.2	143.4	157.6	167.6	175.8	181.8	194.0	202.0	216.0
1.8	40.0	70.0	100.0	122.0	142.0	156.0	166.0	174.0	180.0	192.0	200.0	214.0
1.85	39.0	68.0	98.0	119.0	138.4	152.0	162.0	169.6	175.6	187.2	195.0	208.6

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A) FOR BATTERY 6MVR200 AT 20°C

Uf, Vpc	5 min	15 min	30 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.6	507.0	288.0	206.0	125.6	73.1	53.5	42.8	35.8	30.9	24.7	20.6	11.0
1.65	498.0	287.0	205.0	125.0	72.8	53.3	42.6	35.7	30.8	24.6	20.5	11.0
1.7	490.0	286.0	204.0	124.4	72.4	53.1	42.4	35.5	30.6	24.5	20.4	10.9
1.75	485.0	283.0	202.0	123.2	71.7	52.5	41.9	35.2	30.3	24.3	20.2	10.8
1.8	480.0	280.0	200.0	122.0	71.0	52.0	41.5	34.8	30.0	24.0	20.0	10.7
1.85	468.0	273.0	195.0	119.0	69.2	50.7	40.5	33.9	29.3	23.4	19.5	10.4

DISCHARGE PERFORMANCE AT CONSTANT POWER DISCHARGE W (PER CELL) FOR BATTERY 6MVR200 AT 20°C

Uf, Vpc	5 min	15 min	30 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.6	1013.0	576.0	412.0	251.2	146.2	107.1	85.5	71.7	61.8	49.4	41.2	22.0
1.65	984.0	574.0	410.0	250.0	145.6	106.7	85.1	71.4	61.5	49.2	41.0	21.9
1.7	977.0	571.0	408.0	248.8	144.8	105.6	84.7	71.0	61.2	49.0	40.8	21.8
1.75	970.0	566.0	404.0	246.4	143.4	104.5	83.8	70.3	60.6	48.3	40.4	21.6
1.8	960.0	560.0	400.0	244.0	142.0	104.0	83.0	69.6	60.0	48.0	40.0	21.4
1.85	936.0	546.0	390.0	238.0	138.4	101.3	81.0	67.8	58.5	46.8	39.0	20.9

TEMPERATURE CORRECTION FACTOR OF CAPACITY AT CONSTANT CURRENT DISCHARGE

Discharge time	-10 °C	0 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C
From 5 to 59 minutes	0.70	0.80	0.90	0.95	1.00	1.05	1.10	1.13	1.15	1.16
From 1 to 20 hours	0.82	0.88	0.94	0.97	1.00	1.03	1.05	1.07	1.08	1.10

BATTERY CHARGE CONDITIONS AT 20° CONSTANT VOLTAGE AND LIMITED CURRENT (IU)

Charge current limit	Float charge voltage	Equalization charge voltage	Boost charge voltage
0.1 – 0.25C ₁₀ A Recommended: 0.20C ₁₀ A	2.27 V per cell at 20 °C; Temperature correction: -3mV / cell / °C	2.32 V per cell at 20 °C Recommended: every 3 months for 24h during long time float operation	2.40 V per cell at 20°C; Temperature correction: -4mV / cell / °C

Float application: 0.20C₁₀ A / 2.27 V per cell at 20 °C

Cycling applications: 0.20C₁₀ A / 2.40 V per cell at 20 °C
Recharge Ah input at least 105% from previous discharge Ah

