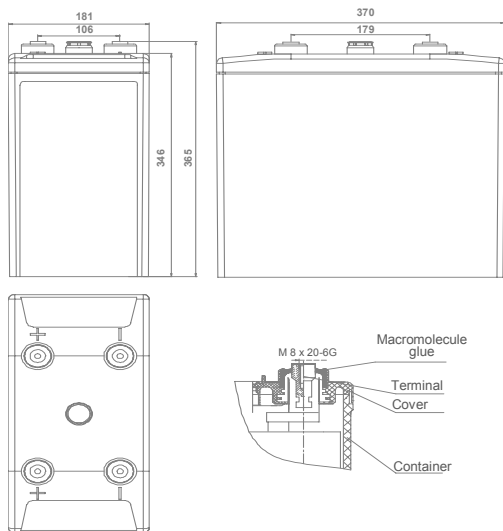




HIGH PERFORMANCE MR 2-1000 Max

VALVE REGULATED LEAD ACID
2V FLAT PASTED PLATE
BATTERY

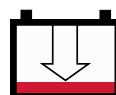
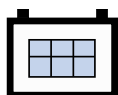


Innovative Features

- ◆ Valve Regulated Lead Acid (V.R.L.A.) design
- ◆ Fully tank formed plates
- ◆ Never needs addition of water
- ◆ Spill-proof and leak-proof
- ◆ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- ◆ Operates at a low internal pressure
- ◆ For use in vertical or horizontal position
- ◆ Each cell has a low pressure safety release venting system
- ◆ Standard: Reinforced ABS (UL 94HB) container and cover.
Optional: Flame-retardant reinforced ABS container and cover compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%
- ◆ Nano-Carbon enhanced active material to maximize cycle performance and PSoC operation
- ◆ Low calcium Lead/Tin alloy plates for efficient gas recombination for long life in both cycling and float applications

Performance Specifications

Normal Voltage	2V
Capacity	1000 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 370 x 181 x 346 x 365 (mm)
Weight	Approx. 55.0 kg (121 lbs)
Internal Resistance	Approx. 0.26 mΩ
Short Circuit Current	7900 A
Self Discharge @ 25°C (77°F)	No more than 3% after 30 days storage
Applicable Operating Temperature Range	-40°C~70°C (40°F~158°F)
Ideal Operating Temperature Range	20°C~30°C (68°F~86°F)
Maximum Charge Current	200 A
Charging Voltage @ 25°C (77°F)	Float: 2.23V, Temps coefficient -3 mV/°C Cycle: 2.30V
Contain Materials	ABS
Terminal Type	F-M8
Capacity Affected by Temperature	105% @ 40°C 85% @ 0°C 60% @ -20°C



Constant Current Discharge Characteristics - Watts Per Cell @ 20°C (68°F)											
Final VPC	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr
1.85	786	656	490	384	320	280	227	188	160	131	87.8
1.80	827	691	517	405	337	295	240	198	169	138	92.8
1.75	852	713	533	418	348	305	248	205	175	143	96.1

Constant Power Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)											
Final VPC	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr
1.85	409	339	251	196	162	141	114	94.3	80.2	49.4	43.8
1.80	433	360	267	208	172	150	121	100	85.0	52.3	46.4
1.75	452	375	278	216	179	156	126	104	88.7	54.6	48.5

