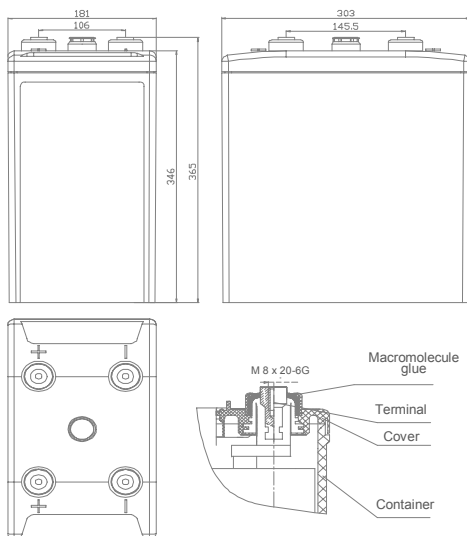




# HIGH PERFORMANCE MR 2-800 Max

VALVE REGULATED LEAD ACID  
2V FLAT PASTED PLATE  
BATTERY

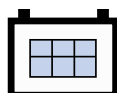


## Innovative Features

- ◆ 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	800 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 303 x 181 x 346 x 365 (mm)
Weight	Approx. 45.0 kg (99.0 lbs)
Internal Resistance	Approx. 0.29 mΩ
Short Circuit Current	6400 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	160 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	629	525	392	307	256	224	182	151	128	105	70.3
1.80	662	553	413	324	270	236	192	159	135	110	74.3
1.75	682	571	427	335	279	244	198	165	140	115	77.0

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	327	272	201	157	130	113	91.5	75.5	64.2	39.5	35.0
1.80	347	288	213	166	138	120	97.0	80.0	68.0	41.9	37.1
1.75	362	301	223	173	144	125	101	83.5	71.0	43.7	38.8

