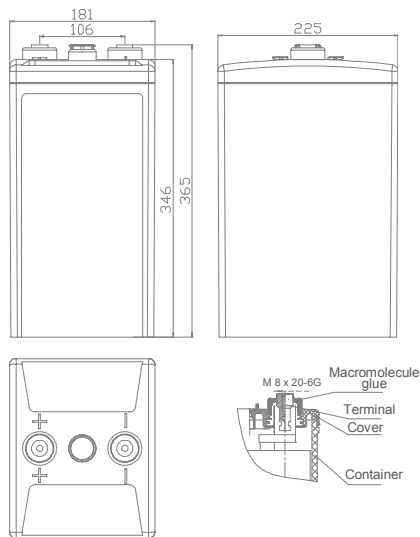




HIGH PERFORMANCE MR 2-600 Max

VALVE REGULATED LEAD ACID
2V FLAT PASTED PLATE
BATTERY

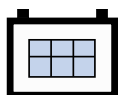


Innovative Features

- ◆ 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	600 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 225 x 181 x 346 x 365 (mm)
Weight	Approx. 33.0 kg (72.6 lbs)
Internal Resistance	Approx. 0.30 mΩ
Short Circuit Current	4860 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	120 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	472	394	294	230	192	168	136	113	96.2	79.0	52.7
1.80	496	415	310	243	202	177	144	119	101	83.0	55.7
1.75	511	428	320	251	209	183	149	123	105	86.0	57.7

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	245	204	151	117	97.4	84.9	68.6	56.6	48.1	29.6	26.3
1.80	260	216	160	125	103	90.0	72.8	60.0	51.0	31.4	28.0
1.75	271	225	167	130	108	93.9	75.9	62.6	53.2	32.7	29.1

