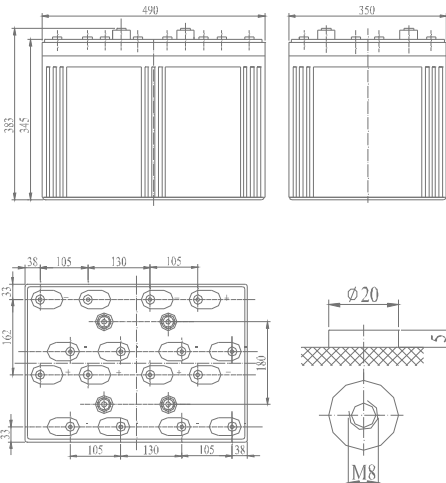




HIGH PERFORMANCE

MR 2-2500 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	2500 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 490 x 350 x 345 x 383 (mm)
Weight	Approx. 175 kg (386 lbs)
Internal Resistance	Approx. 0.09 mΩ
Short Circuit Current	20200 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	500 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	1966	1641	1226	960	799	700	569	470	401	329	220
1.80	2068	1728	1291	1011	843	738	599	496	423	346	233
1.75	2131	1783	1334	1046	871	763	620	514	438	358	240

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	1023	849	629	491	406	354	286	236	201	124	110
1.80	1084	900	666	519	430	375	304	250	213	131	116
1.75	1130	939	696	541	449	391	316	261	221	136	121

