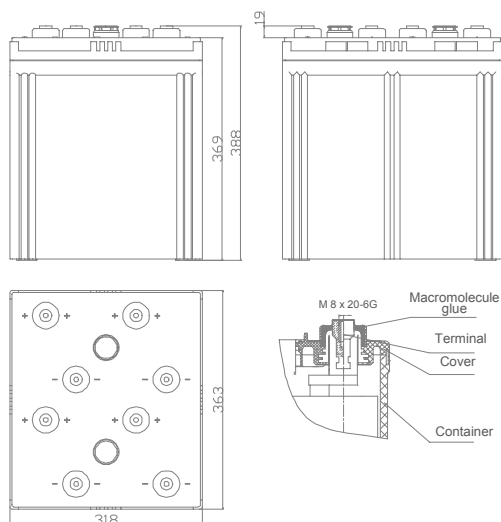




HIGH PERFORMANCE MR 2-1600 Max

VALVE REGULATED LEAD ACID
2V FLAT PASTED PLATE
BATTERY

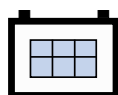


Innovative Features

- ☑ 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	1600 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 318 x 363 x 369 x 388 (mm)
Weight	Approx. 100 kg (220 lbs)
Internal Resistance	Approx. 0.16 mΩ
Short Circuit Current	13200 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	320 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	1259	1051	784	614	511	448	364	301	256	209	141
1.80	1324	1106	827	647	539	471	384	318	271	222	148
1.75	1361	1138	852	668	557	487	396	327	279	228	154

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	654	543	402	314	259	226	183	151	129	79.4	70.1
1.80	693	576	427	332	275	240	194	160	137	84.4	74.2
1.75	722	599	445	348	287	250	202	166	142	87.5	77.3

