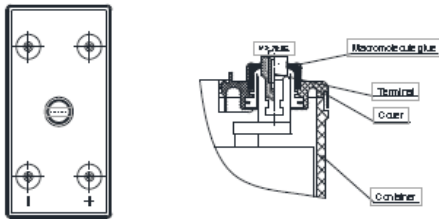
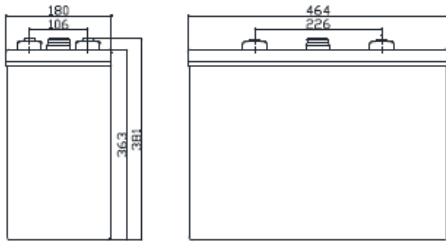




HIGH PERFORMANCE MR 2-1200 Max

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	1200 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 464 x 180 x 363 x 381 (mm)
Weight	Approx. 68.0 kg (121 lbs)
Internal Resistance	Approx. 0.26 mΩ
Short Circuit Current	8200 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	240 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



Battery Model	End VPC	Discharge Data Amps @ 20°C					Discharge Data Ampere @ 20°C										
		Discharge Time In Minutes					Discharge Time In Hours										
		5	10	15	30	45	1	1.5	2	3	4	5	6	8	10	12	20
MR 2-1200 Max	1.90V	1696	1446	1223	956	770	517	480	361	289	220	190	163	137	112	90.8	56.6
	1.85V	1884	1607	1360	1063	857	575	533	388	305	244	204	170	142	118	101	63.0
	1.80V	2113	1811	1507	1162	906	624	551	406	324	254	215	186	146	120	105	65.5
	1.75V	2484	2002	1711	1236	960	698	576	424	332	259	220	190	149	123	107	66.5
	1.70V	2594	2162	1760	1260	973	779	600	443	338	263	222	192	150	125	108	67.1
	1.67V	2621	2184	1778	1273	983	786	606	446	342	265	224	194	151	126	109	67.8

Battery Model	End VPC	Discharge Watts Per Cell @ 20°C					Discharge Watts @ 20°C										
		Discharge Time In Minutes					Discharge Time In Hours										
		5	10	15	30	45	1	1.5	2	3	4	5	6	8	10	12	20
MR 2-1200 Max	1.90V	3164	2698	2282	1784	1438	979	936	721	560	466	383	323	274	229	181	113
	1.85V	3516	2996	2536	1982	1598	1058	1046	758	611	493	413	346	289	246	202	126
	1.80V	3942	3377	2813	2167	1690	1156	1070	802	642	510	434	376	296	254	210	131
	1.75V	4633	3734	3193	2305	1792	1450	1150	851	666	526	446	386	304	259	214	133
	1.70V	4841	4034	3284	2351	1814	1493	1163	869	670	528	448	389	304	260	215	134
	1.67V	4889	4074	3318	2375	1834	1507	1174	877	677	534	452	392	307	263	217	136

