



MGR 2-2500G

**VALVE REGULATED LEAD ACID
2 VOLT FLAT PASTED PLATE BATTERY
GELLED ELECTROLYTE TECHNOLOGY**

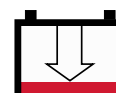
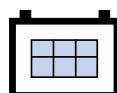
Innovative Features

- ☑ Valve regulated Lead Acid (V.R.L.A.) design;
- ☑ Sulfuric acid thixotropic gel, electrolyte in solid gel form will not stratify – no equalization charge required. Gel powder from Europe leading supplier to ensure the unique performance of gel battery;
- ☑ Microporous rubber and corrugated PVC SiO₂ separator, the special design increase the high porosity and anti-corrosion and decrease the internal resistance;
- ☑ Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life - 18 years design life @20°C(68°F);
- ☑ Thickness positive plate plus optimized plate alloy to anticorrosion;
- ☑ Unique performance against high temperature;
- ☑ Non-gassing;
- ☑ Never needs addition of water;
- ☑ Spill-proof and leak-proof;
- ☑ Operates at a low internal pressure;
- ☑ For use in vertical or horizontal position;
- ☑ Each cell has a low pressure safety release venting system;
- ☑ Flame Retardant material V-0 optional.

**HIGH
PERFORMANCE**

Performance Specifications

Normal Voltage	2V
Normal Capacity	2500Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 2833Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 175 kg (386 lbs)
Dimension	Length x Width x Height x Total Height: 490 x 350 x 345 x 351 mm
Internal Resistance	Approx. 0.08 mΩ @ 20°C (68°F)
Maximum Charge Current	500 A
Short Circuit Current	16540 A
Applicable Operating Temperature Range	-40°C (-40°F) to +70°C (+158°F)
Ideal Operating Temperature Range	+20°C (+68°F) to +35°C (+95°F)
Maximum Charge Voltage	2.40 VPC at 20°C /25°C
Float Voltage	2.25 VPC +/- 1% at 20°C /25°C
Cycle service	2.35 VPC +/- 1% at 20°C /25°C
Container & Cover	Standard: Reinforced ABS (UL 94HB) Optional: Flame-retardant reinforced ABS compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%.
NO. of Terminal	8
Terminal Type	(ST2) Copper Insert type terminal with 18 mm diameter insert.



Modular Gel Range VRLA

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Cell Type	Discharge Amps Per Cell @ 20°C (68°F)																				
	End VPC	Discharge Time In Minutes						End VPC	Discharge Time In Hours												
		5	10	15	30	45	60		1.5	2	3	4	5	6	8	10	12	20	24	48	100
MGR 2-2500G	1.80	3990	3420	2850	2195	1724	1425	1.85	1006	814	613	477	396	350	286	236	200	128	109	56.5	29.0
	1.75	4689	3782	3237	2329	1830	1513	1.80	1067	863	650	506	420	371	303	250	213	136	116	59.9	30.8
	1.67	5232	4385	3601	2416	1877	1539	1.75	1113	900	678	528	438	387	316	261	222	142	121	62.5	32.1

Cell Type	Discharge Watts Per Cell @ 20°C (68°F)																		
	End VPC	Discharge Time In Minutes						End VPC	Discharge Time In Hours										
		5	10	15	30	45	60		1.5	2	3	4	5	6	8	10	12	20	24
MGR 2-2500G	1.80	7182	6224	5230	4060	3276	2736	1.85	1936	1573	1195	937	780	691	568	470	401	226	220
	1.75	8347	6807	5859	4310	3404	2904	1.80	2036	1656	1259	987	823	729	599	496	423	238	232
	1.67	8998	7674	6445	4421	3492	2939	1.75	2098	1708	1310	1020	851	754	620	513	437	246	240

