



MGR 2-2000G

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

Innovative Features

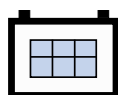
- ☑ Valve regulated Lead Acid (V.R.L.A.) design;
- ☑ Sulfuric acid thixotropic gel, electrolyte in solid gel form will not stratify – no equalization charge required. Gel powder from Europe leading supplier to ensure the unique performance of gel battery;
- ☑ Microporous rubber and corrugated PVC SiO₂ 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.

Modular Gel Range VRLA

HIGH PERFORMANCE

Performance Specifications

Normal Voltage	2V
Normal Capacity	2000Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 2269Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 132 kg (291 lbs)
Dimension	Length x Width x Height x Total Height: 490 x 350 x 345 x 351 mm
Internal Resistance	Approx. 0.09 mΩ @ 20°C (68°F)
Maximum Charge Current	400 A
Short Circuit Current	13400 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

EverExceed®
power your applications

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 2-2000G	1.80	3192	2736	2280	1756	1379	1140	1.85	805	651	491	382	317	280	229	189	161	103	88.0	45.2	23.2
	1.75	3752	3026	2590	1864	1465	1210	1.80	853	690	520	405	336	297	243	200	170	109	92.8	47.9	24.6
	1.67	4187	3509	2881	1933	1502	1231	1.75	890	720	543	423	351	310	253	209	177	113	96.9	50.0	25.7

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 2-2000G	1.80	5746	4980	4184	3248	2621	2189	1.85	1549	1258	956	750	625	553	455	376	321	180	176	
	1.75	6679	5447	4689	3449	2724	2324	1.80	1629	1325	1007	790	658	583	479	397	338	191	186	
	1.67	7201	6141	5158	3538	2794	2352	1.75	1679	1367	1041	816	681	603	496	411	350	197	192	

