



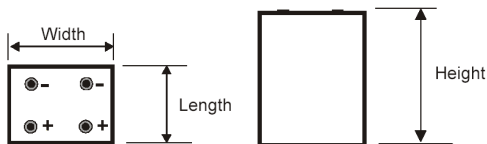
HIGH PERFORMANCE

MGR 2-600G

VALVE REGULATED LEAD ACID

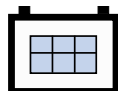
2 VOLT FLAT PASTED PLATE BATTERY
GELLED ELECTROLYTE TECHNOLOGY

Cell Dimensions for Rack Layout



L:302/11.9 W:175/6.90 H:336/13.2 (mm / inch)

Terminal Type



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.

Performance Specifications

Normal Voltage	2V
Normal Capacity	600 Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 681 Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 42 kg (92.6 lbs)
Internal Resistance	Approx. 0.28 mΩ @ 20°C (68°F)
Maximum Charge Current	120 A
Short Circuit Current	3980 A
Electrolyte	Sulfuric acid thixotropic gel
Separators	Micro-porous duroplastic separator
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%.

Terminal
(ST2) Copper Insert type terminal with 18 mm diameter insert.

Modular Gel Range VRLA

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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 2-600G	1.80	958	821	684	527	414	342	1.85	241	195	147	115	95.1	84.0	68.6	56.6	48.1	30.8	26.3	13.6	6.96
	1.75	1126	908	777	559	439	363	1.80	256	207	156	122	101	89.0	72.8	60.0	51.0	32.8	28.0	14.4	7.38
	1.67	1256	1053	864	580	451	369	1.75	267	216	163	127	105	92.9	75.9	62.6	53.2	34.0	29.1	15.0	7.70

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 2-600G	1.80	1724	1494	1255	974	786	657	1.85	465	377	287	225	187	166	136	113	96.2	54.0	52.7	
	1.75	2003	1634	1406	1034	817	697	1.80	489	397	302	237	197	175	144	119	101	57.1	55.7	
	1.67	2160	1842	1547	1061	838	705	1.75	503	410	312	245	204	181	149	123	105	59.1	57.7	

