



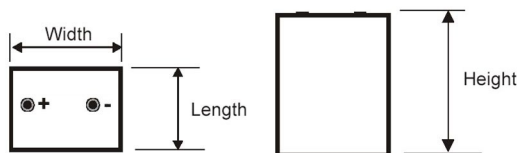
HIGH PERFORMANCE

MGR 2-250G

VALVE REGULATED LEAD ACID

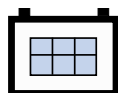
2 VOLT FLAT PASTED PLATE BATTERY
GELLED ELECTROLYTE TECHNOLOGY

Cell Dimensions for Rack Layout



L:171/6.74 W:151/5.95 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	250 Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 283 Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 18.5 kg (40.8 lbs)
Internal Resistance	Approx. 0.45 mΩ @ 20°C (68°F)
Maximum Charge Current	50 A
Short Circuit Current	1660 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

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 2-250G	1.80	399	342	285	219	172	143	1.85	101	81.4	61.4	47.8	39.6	35.0	28.6	23.6	20.1	12.9	11.0	5.65	2.90
	1.75	469	378	324	233	183	151	1.80	107	86.3	65.0	50.6	42.0	37.1	30.3	25.0	21.3	13.6	11.6	5.99	3.08
	1.67	524	439	360	242	188	154	1.75	110	90.0	67.9	52.9	43.8	38.7	31.6	26.1	22.2	14.1	12.1	6.25	3.21

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 2-250G	1.80	725	622	523	406	328	274	1.85	194	157	120	93.8	78.1	69.2	56.9	47.1	40.1	22.6	22	
	1.75	835	681	586	431	341	291	1.80	204	166	126	99.0	82.3	72.9	59.9	49.6	42.3	23.8	23.2	
	1.67	901	768	645	442	349	294	1.75	210	171	130	102	85.2	75.5	62.0	51.4	43.8	24.7	24.1	

