



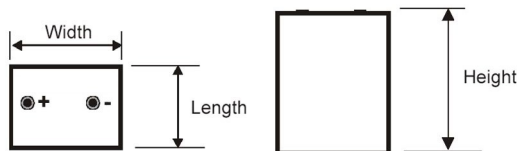
HIGH PERFORMANCE

MGR 2-200G

VALVE REGULATED LEAD ACID

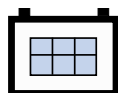
2 VOLT FLAT PASTED PLATE BATTERY
GELLED ELECTROLYTE TECHNOLOGY

Cell Dimensions for Rack Layout



L:171/6.74 W:106/4.18 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	200 Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 227 Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 15 kg (33.1 lbs)
Internal Resistance	Approx. 0.50 mΩ @ 20°C (68°F)
Maximum Charge Current	40 A
Short Circuit Current	1320 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 2-200G	1.80	319	274	228	176	138	114	1.85	80.6	65.2	49.1	38.3	31.8	28.0	22.9	18.9	16.2	10.2	8.77	4.53	2.32
	1.75	376	303	259	187	147	121	1.80	85.3	69.0	52.0	40.5	33.6	29.7	24.3	20.0	17.0	10.9	9.28	4.79	2.46
	1.67	419	351	289	194	150	123	1.75	89.2	72.1	54.3	42.3	35.1	31	25.3	21	17.8	11.4	9.7	5.01	2.57

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 2-200G	1.80	575	498	439	325	262	219	1.85	155	126	95.8	75.1	62.6	55.4	45.5	37.7	32.1	18.1	17.7	
	1.75	669	545	470	345	273	233	1.80	163	132	101	79.0	65.8	58.3	47.9	39.7	33.8	19.1	18.6	
	1.67	721	615	516	354	280	236	1.75	168	137	104	81.8	68.2	60.4	49.7	41.3	35.2	19.8	19.3	

