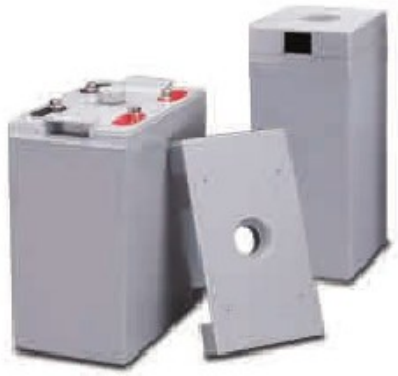
EverExceed®
power your applications

Modular Gel Range VRLA



MGR 2-1250G

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

HIGH PERFORMANCE

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 SiO_2 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	1250Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 1420Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 70 kg (154 lbs)
Dimension	Length x Width x Height x Total Height: 482 x 175 x 330 x 336 mm
Internal Resistance	Approx. 0.13 mΩ @ 20°C (68°F)
Maximum Charge Current	240 A
Short Circuit Current	8200 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.

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Cell Type	Discharge Amps Per Cell @ 20ºC (68ºF)																				
	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 2-1250G	1.80	1995	1710	1425	1098	863	713	1.85	502	406	306	239	198	175	143	118	100	64.1	54.8	28.2	14.5
	1.75	2344	1890	1619	1165	915	756	1.80	533	431	325	254	210	185	151	125	106	68.0	58.0	30.0	15.4
	1.67	2615	2193	1800	1207	939	769	1.75	556	450	339	264	219	194	157	130	110	71.0	60.6	31.3	16.0

Cell Type	Discharge Watts Per Cell @ 20ºC (68ºF)																		
	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 2-1250G	1.80	3591	3113	2615	2030	1638	1368	1.85	968	786	597	468	390	346	283	235	200	112	109
	1.75	4173	3403	2930	2155	1702	1452	1.80	1018	828	630	494	411	365	300	248	211	119	116
	1.67	4499	3838	3223	2210	1746	1469	1.75	1049	854	650	510	425	377	310	256	219	123	120