



## MR 2-1500 GEL

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

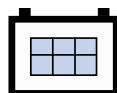
### Innovative Features

- 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 SiO<sub>2</sub> 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.

# HIGH PERFORMANCE

### Performance Specifications

Normal Voltage	2V
Normal Capacity	1500Ah @ 10hr to 1.80V per cell @ 20°C (68°F) 1698Ah @ 20hr to 1.75V per cell @ 20°C (68°F)
Weight	Approx. 90.0 kg (198 lbs)
Dimension	Length x Width x Height x Total Height: 318 x 363 x 369 x 388 mm
Internal Resistance	Approx. 0.18 mΩ @ 20°C (68°F)
Maximum Charge Current	300 A
Short Circuit Current	9920 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	<b>Standard:</b> Reinforced ABS (UL 94HB) <b>Optional:</b> 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	F-M8



# Modular Gel Range VRLA

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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
MR 2-1500 GEL	1.80	2394	2052	1710	1317	1035	855	1.85	604	488	368	287	238	210	172	142	121	76.9	65.7	33.9	17.4
	1.75	2808	2265	1939	1395	1096	906	1.80	640	518	390	304	252	223	182	150	128	81.5	69.6	35.9	18.5
	1.67	3133	2627	2156	1447	1124	922	1.75	666	539	406	316	262	232	189	156	133	84.9	72.5	37.4	19.2

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	
MR 2-1500 GEL	1.80	4309	3735	3138	2436	1966	1642	1.85	1162	944	717	562	468	415	341	282	240	135	132	
	1.75	4999	4077	3509	2581	2039	1739	1.80	1222	994	755	592	494	437	360	298	254	142	139	
	1.67	5389	4596	3860	2648	2091	1760	1.75	1256	1023	779	611	510	452	371	307	262	148	144	

