EverExceed®
power your applications

Modular Max AGM Range VRLA

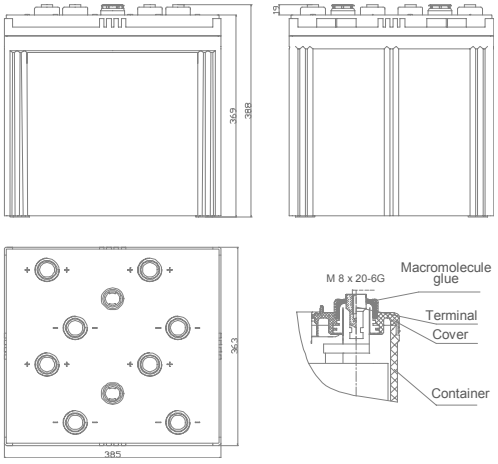
Innovative Features

- Valve Regulated Lead Acid (V.R.L.A.) design
- Fully tank formed plates
- Never needs addition of water
- Spill-proof and leak-proof
- Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- Operates at a low internal pressure
- For use in vertical or horizontal position
- Each cell has a low pressure safety release venting system
- Standard: Reinforced ABS (UL 94HB) container and cover.
  Optional: Flame-retardant reinforced ABS container and cover compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%
- Nano-Carbon enhanced active material to maximize cycle performance and PSoC operation
- Low calcium Lead/Tin alloy plates for efficient gas recombination for long life in both cycling and float applications

HIGH PERFORMANCE

MR 2-2000 Max

VALVE REGULATED LEAD ACID
2V FLAT PASTED PLATE
BATTERY



Performance Specifications

Normal Voltage	2V
Capacity	2000 Ah @ 10hr to 1.80V per cell @ 20°C (68°F)
Dimension	Length x Width x Height x Total Height: 385 x 363 x 369 x 388 (mm)
Weight	Approx. 114 kg (250 lbs)
Internal Resistance	Approx. 0.15 mΩ
Short Circuit Current	16200 A
Self Discharge @ 25°C (77°F)	No more than 3% after 30 days storage
Applicable Operating Temperature Range	-40°C~70°C (40°F~158°F)
Ideal Operating Temperature Range	20°C~30°C (68°F~86°F)
Maximum Charge Current	400 A
Charging Voltage @ 25°C (77°F)	Float: 2.23V, Temps coefficient -3 mV/°C Cycle: 2.30V
Contain Materials	ABS
Terminal Type	F-M8
Capacity Affected by Temperature	105% @ 40°C 85% @ 0°C 60% @ -20°C

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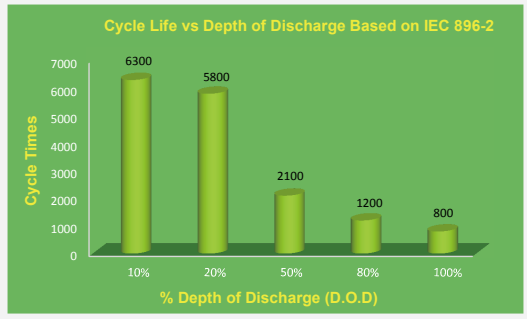
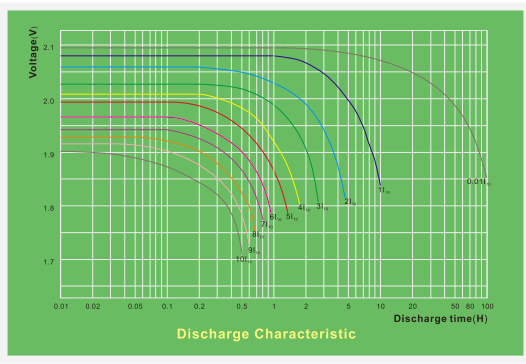
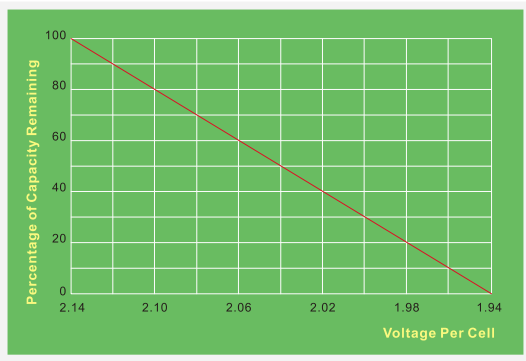
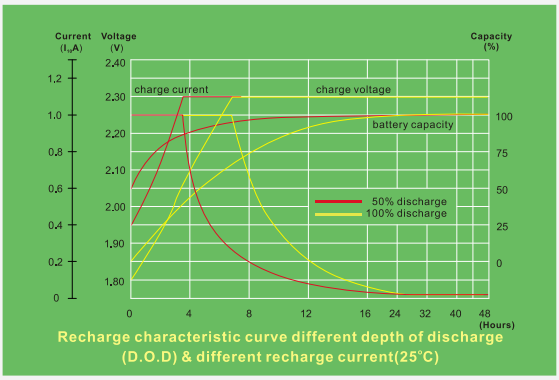
Constant Current Discharge Characteristics - Watts Per Cell @ 20°C (68°F)											
Final VPC	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr
1.85	1573	1313	981	768	639	560	455	376	321	263	176
1.80	1654	1382	1033	809	674	590	479	397	338	277	186
1.75	1705	1426	1067	837	697	610	496	411	350	286	192

Constant Power Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)											
Final VPC	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr
1.85	818	679	503	393	325	283	229	189	161	99.2	88.0
1.80	867	720	533	415	344	300	243	200	170	105	92.8
1.75	904	751	557	433	359	313	253	209	177	109	96.9

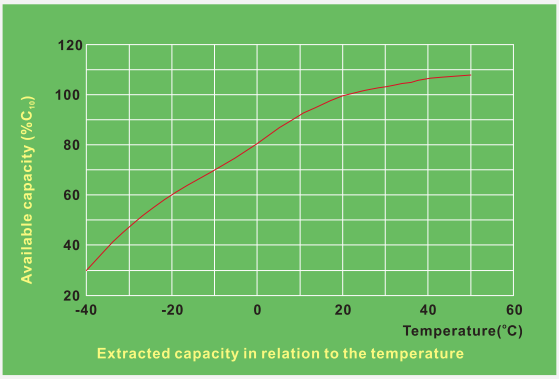




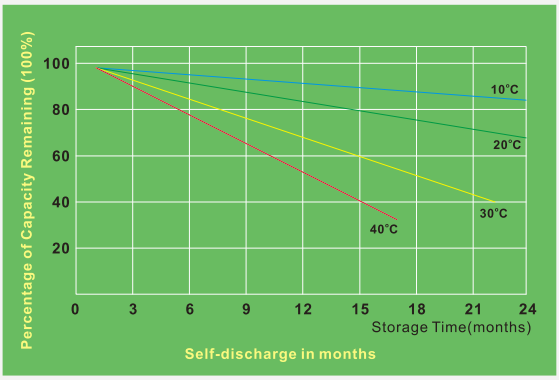




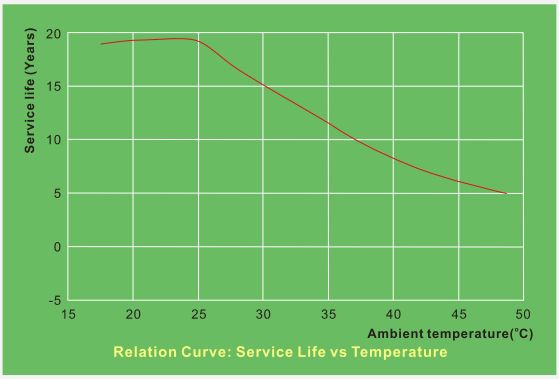
Recharge characteristic curve different depth of discharge (D.O.D) & different recharge current(25℃)



Extracted capacity in relation to the temperature



Self-discharge in months



Relation Curve: Service Life vs Temperature