

General Series Battery

2V series is a general purpose battery with 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM valve regulated technology, the RL series battery provides consistent performance and long service life. The new grid design effectively reduces the internal resistance, which provides higher specific energy density and excellent high rate discharge characteristics.

Application

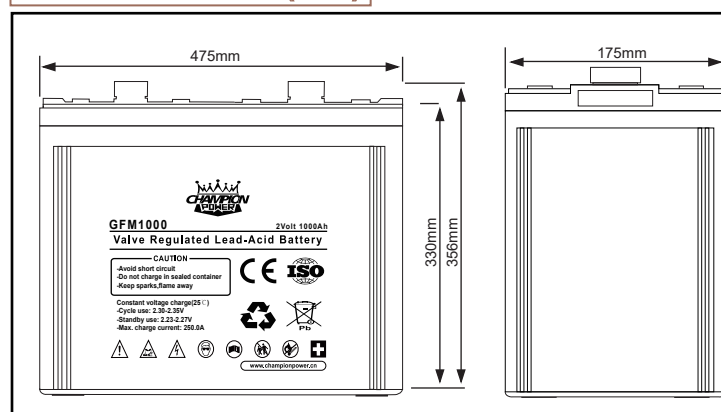
- ☆Emergency Power System
- ☆Communication equipment
- ☆Telecommunication systems
- ☆Uninterruptible power supplies
- ☆Electric toy car and wheelchairs, etc
- ☆Power tools
- ☆Alarm system
- ☆Marine equipment
- ☆Medical equipment
- ☆Fire and Security System

Specification

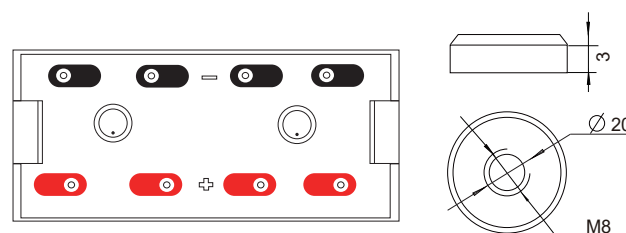
Battery Model	Nominal Voltage	2V		
	Rated capacity (10Hour rate)	1000Ah		
Dimension	Length	Width	Height	Total Height
	475mm	175mm	330mm	356mm
Approx Weight	57.00Kg			
Internal Resistance	Full charged at 25℃ (77℉): Approx 0.25mΩ			
Max.discharge current	6000A(5s)			
Floating design life @ 25℃ (77℉)	20 years			
Capacity @ 25℃ (77℉)	C ₂₀ (53.50A/1.85V)	C ₂₄ (45.83A/1.85V)	C ₄₈ (25.00A/1.85V)	C ₇₂ (17.36A/1.85V)
	1070Ah	1100Ah	1200Ah	1250Ah
Capacity affected by Temp(10 HR)	40℃ (104℉)	25℃ (77℉)	0℃ (32℉)	-15℃ (5℉)
	102%	100%	85%	65%
Self Discharge @ 25℃ (77℉)	After 3 months storage	After 6 months storage	After 12 months storage	
	91%	82%	64%	
Charge method @ 25℃ (77℉)	Cycle Use	2.30-2.35V (Initial charging current less than 250.0A)		
	Float Use	2.23-2.27V		



Outer dimension (mm)



Terminal Type (mm)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)

F.V / TIME		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	A	3100.00	2350.00	1750.00	1150.00	600.00	350.00	260.00	206.67	175.42	115.83	110.00
	W	5476.67	4159.50	3120.83	2070.00	1090.00	635.83	476.67	378.89	321.60	214.29	203.50
1.70V	A	2700.00	2208.33	1608.33	1091.67	620.00	335.83	255.00	200.00	172.08	114.00	105.00
	W	4905.00	4085.42	2988.82	2046.88	1162.50	632.49	480.25	378.33	325.52	215.65	198.63
1.75V	A	3060.42	2110.00	1500.00	1058.33	600.00	329.17	250.00	190.00	170.00	112.50	103.00
	W	5610.76	3956.25	2825.00	2010.83	1140.00	628.16	477.08	364.17	325.83	215.63	197.42
1.80V	A	2786.67	2016.67	1400.00	1010.00	580.00	320.83	245.00	186.67	162.50	109.58	100.00
	W	5108.89	3831.67	2671.67	1944.25	1116.50	617.60	473.67	362.45	315.52	212.77	194.17
1.85V	A	2410.00	1900.00	1300.00	940.00	550.00	312.50	235.00	183.33	155.42	106.67	97.50
	W	4538.83	3657.50	2513.33	1833.00	1072.50	609.38	460.21	360.55	305.65	209.78	191.75



GFM1000/2Volt 1000Ah

