



Deep Cycle Batteries

6FM200D/12Volt 200Ah

Deep cycle Series Battery is specially designed for frequent cycling applications. The series battery uses high-tin alloy positive plate, active paste materials and stronger electrolyte, which gives 30% longer life than normal battery. Suitable for solar and wind energy systems.



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

General Features

- ☆ Heavy Duty Grid
- ☆ Mechanized assembly
- ☆ Non-spillable construction
- ☆ High Reliability and Stability
- ☆ Sealed and Maintenance-free
- ☆ Long Life and low self-discharge design

Construction

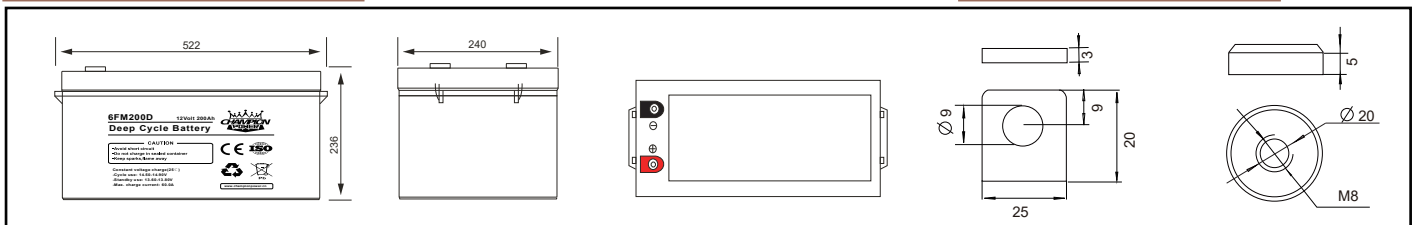
- ☆ Positive.....Lead dioxide
- ☆ Electrolyte.....Colloidal Sulfuric acid
- ☆ Separator.....Fiber glass
- ☆ Container.....ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
- ☆ Negative.....Lead
- ☆ Safety Valve.....EPDR
- ☆ Terminal.....Copper

Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (10Hour rate)	200Ah			
	Cells Per battery	6			
Dimension	Length	Width	Height	Total Height	
	522mm	240mm	216mm	236mm	
Approx Weight	58.00Kg				
Internal Resistance	Full charged at 25°C (77°F): Approx 3.0mΩ				
Max. discharge current	1600A(5s)				
Floating design life @ 25°C (77°F)	15 years				
Capacity @ 25°C (77°F)	10Hour rate(20A/10.8V)	5Hour rate(34A/10.5V)	3Hour rate(50A/10.5V)	1Hour rate(110A/10.5V)	
	200Ah	153Ah	120Ah	77Ah	
Capacity affected by Temp(10 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)	
	102%	100%	85%	65%	
Self Discharge @ 25°C (77°F)	After 3 months storage		After 6 months storage		After 12 months storage
	93%		84%		65%
Charge method @ 25°C (77°F)	Cycle Use	14.50-14.90V (Initial charging current less than 60.0A)			
	Float Use	13.60-13.80V			

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	20h
9.60V	A	720.00	440.00	350.00	230.00	121.00	70.00	52.00	42.00	35.08	23.17	22.00	11.40
	W	7632.00	4672.80	3745.00	2484.00	1318.90	763.00	572.00	462.00	385.92	257.15	244.20	128.25
10.20V	A	660.00	422.00	321.67	218.33	120.00	67.17	51.00	40.00	34.42	22.80	21.00	11.20
	W	7194.00	4684.20	3586.58	2456.25	1350.00	758.98	576.30	454.00	390.63	258.78	238.35	127.12
10.50V	A	612.08	403.32	300.00	211.67	116.00	65.83	50.00	38.00	34.00	22.50	20.60	11.06
	W	6732.92	4537.35	3390.00	2412.99	1322.40	753.79	572.50	437.00	391.00	258.75	236.90	127.19
10.80V	A	557.33	399.84	280.00	202.00	114.00	64.17	49.00	37.33	32.50	21.92	20.00	10.92
	W	6130.67	4558.18	3206.00	2333.10	1316.70	741.12	568.40	434.93	378.63	255.33	233.00	127.22
11.10V	A	482.00	380.00	260.00	188.00	110.00	62.50	47.00	36.67	31.08	21.33	19.50	10.80
	W	5446.60	4389.00	3016.00	2199.60	1287.00	731.25	552.25	432.67	366.78	251.73	230.10	127.44

Note: The above datas are average values. (Edition 2017-11)



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