

Deep Cycle Batteries

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

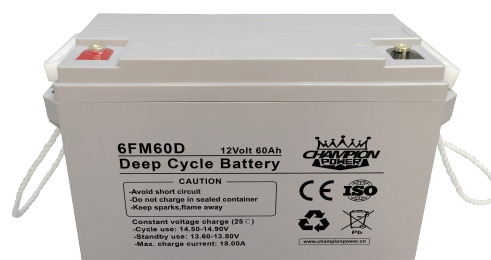
General Features

- ☆ 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

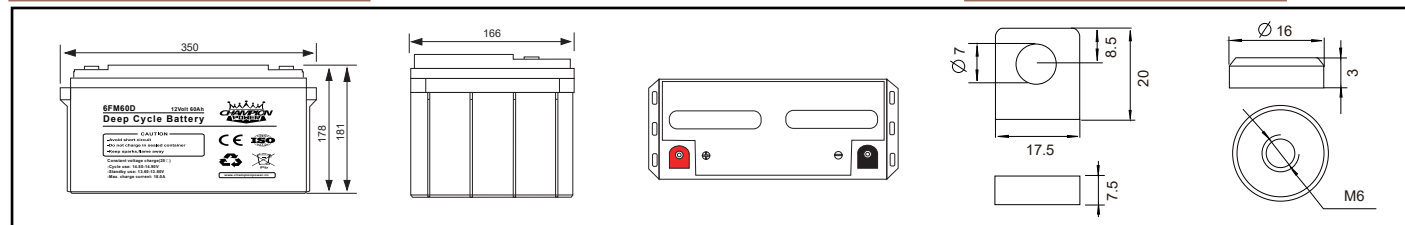
6FM60D/12Volt 60Ah



Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (10Hour rate)	60Ah			
	Cells Per battery	6			
Dimension	Length	Width	Height	Total Height	
	350mm	166mm	178mm	181mm	
Approx Weight	18.50Kg				
Internal Resistance	Full charged at 25°C (77°F): Approx 5.5mΩ				
Max.discharge current	480A(5s)				
Floating design life @ 25°C (77°F)	15 years				
Capacity @ 25°C (77°F)	10Hour rate(6A/10.8V)	5Hour rate(10.2A/10.5V)	3Hour rate(15A/10.5V)	1Hour rate(33A/10.5V)	
	60Ah	46Ah	36Ah	23Ah	
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 18.0A)			
	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	216.00	132.00	105.00	69.00	36.30	21.00	15.60	12.60	10.53	6.95	6.60	3.42
	W	2289.60	1401.84	1123.50	745.20	395.67	228.90	171.60	138.60	115.78	77.14	73.26	38.48
10.20V	A	198.00	126.60	96.50	65.50	36.00	20.15	15.30	12.00	10.32	6.84	6.30	3.36
	W	2158.20	1405.26	1075.97	736.88	405.00	227.69	172.89	136.20	117.19	77.63	71.51	38.14
10.50V	A	183.63	121.00	90.00	63.50	34.80	19.75	15.00	11.40	10.20	6.75	6.18	3.32
	W	2019.88	1361.21	1017.00	723.90	396.72	226.14	171.75	131.10	117.30	77.63	71.07	38.16
10.80V	A	167.20	119.95	84.00	60.60	34.20	19.25	14.70	11.20	9.75	6.57	6.00	3.28
	W	1839.20	1367.45	961.80	699.93	395.01	222.34	170.52	130.48	113.59	76.60	69.90	38.17
11.10V	A	144.60	114.00	78.00	56.40	33.00	18.75	14.10	11.00	9.33	6.40	5.85	3.24
	W	1633.98	1316.70	904.80	659.88	386.10	219.38	165.68	129.80	110.04	75.52	69.03	38.23



6FM60D/12VoIt 60Ah

