



Deep Cycle Batteries

6FM150D/12Volt 150Ah

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

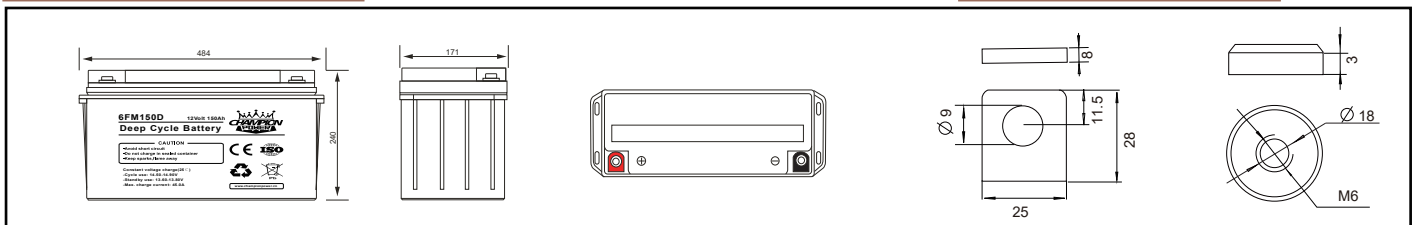
- ☆ Positive.....Lead dioxide
- ☆ Electrolyte.....Colloidal Sulfuric acid
- ☆ Separator.....Fiber glass
- ☆ Container.....ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
- ☆ Negative.....Lead
- ☆ Safety Valve.....EPDR
- ☆ Terminal.....Copper

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		150Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	484mm	171mm	220mm	240mm
Approx Weight	41.00Kg			
Internal Resistance	Full charged at 25°C (77°F): Approx 3.2mΩ			
Max. discharge current	1200A(5s)			
Floating design life @ 25°C (77°F)	15 years			
Capacity @ 25°C (77°F)	10Hour rate(15A/10.8V)	5Hour rate(25.5A/10.5V)	3Hour rate(37.5A/10.5V)	1Hour rate(82.5A/10.5V)
	150Ah	115Ah	90Ah	58Ah
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 45.0A)		
	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	540.00	330.00	262.50	172.50	90.75	52.50	39.00	31.50	26.31	17.37	16.50	8.55
	W	5724.00	3504.60	2808.75	1863.00	989.18	572.25	429.00	346.50	289.44	192.86	183.15	96.19
10.20V	A	495.00	316.50	241.25	163.75	90.00	50.37	38.25	30.00	25.81	17.10	15.75	8.40
	W	5395.50	3513.15	2689.94	1842.19	1012.50	569.24	432.23	340.50	292.97	194.09	178.76	95.34
10.50V	A	459.06	302.49	225.00	158.75	87.00	49.38	37.50	28.50	25.50	16.88	15.45	8.30
	W	5049.69	3403.01	2542.50	1809.74	991.80	565.34	429.38	327.75	293.25	194.06	177.68	95.39
10.80V	A	418.00	299.88	210.00	151.50	85.50	48.12	36.75	28.00	24.38	16.44	15.00	8.19
	W	4598.00	3418.63	2404.50	1749.83	987.53	555.84	426.30	326.20	283.97	191.50	174.75	95.41
11.10V	A	361.50	285.00	195.00	141.00	82.50	46.88	35.25	27.50	23.31	16.00	14.63	8.10
	W	4084.95	3291.75	2262.00	1649.70	965.25	548.44	414.19	324.50	275.09	188.80	172.58	95.58



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