



Deep Cycle Batteries

6FM65D/12Volt 65Ah

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

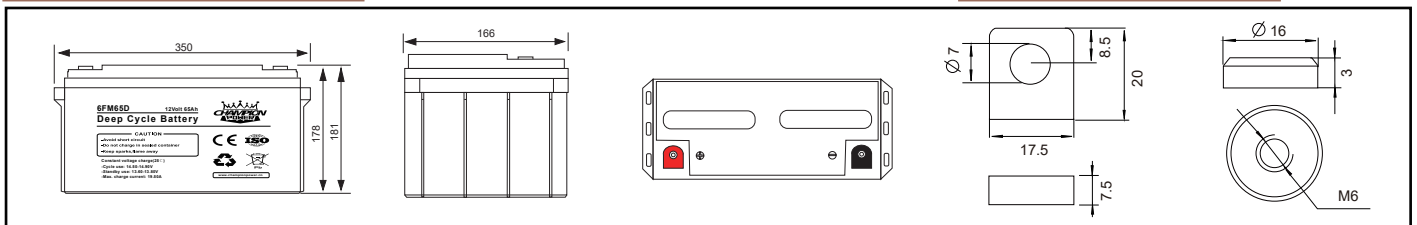
- ☆ Positive.....Lead dioxide
- ☆ Electrolyte.....Colloidal Sulfuric acid
- ☆ Separator.....Fiber glass
- ☆ Container.....ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
- ☆ Negative.....Lead
- ☆ Safety Valve.....EPDR
- ☆ Terminal.....Copper

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		65Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	350mm	166mm	178mm	181mm
Approx Weight	19.50Kg			
Internal Resistance	Full charged at 25°C (77°F): Approx 5.5mΩ			
Max. discharge current	520A(5s)			
Floating design life @ 25°C (77°F)	15 years			
Capacity @ 25°C (77°F)	10Hour rate(6.5A/10.8V)	5Hour rate(11.05A/10.5V)	3Hour rate(16.25A/10.5V)	1Hour rate(35.75A/10.5V)
	65Ah	50Ah	39Ah	25Ah
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 19.50A)		
	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	234.00	143.00	113.75	74.75	39.33	22.75	16.90	13.65	11.40	7.53	7.15	3.71
	W	2480.40	1518.66	1217.13	807.30	428.64	247.98	185.90	150.15	125.42	83.57	79.37	41.68
10.20V	A	214.50	137.15	104.54	70.96	39.00	21.83	16.58	13.00	11.19	7.41	6.83	3.64
	W	2338.05	1522.37	1165.64	798.28	438.75	246.67	187.30	147.55	126.95	84.10	77.46	41.31
10.50V	A	198.93	131.08	97.50	68.79	37.70	21.40	16.25	12.35	11.05	7.31	6.70	3.59
	W	2188.20	1474.64	1101.75	784.22	429.78	244.98	186.06	142.03	127.08	84.09	76.99	41.34
10.80V	A	181.13	129.95	91.00	65.65	37.05	20.85	15.93	12.13	10.56	7.12	6.50	3.55
	W	1992.47	1481.41	1041.95	758.26	427.93	240.87	184.73	141.35	123.05	82.98	75.73	41.35
11.10V	A	156.65	123.50	84.50	61.10	35.75	20.31	15.28	11.92	10.10	6.93	6.34	3.51
	W	1770.15	1426.43	980.20	714.87	418.28	237.66	179.48	140.62	119.20	81.81	74.78	41.42



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