



Specification **6FM150D(12V150Ah)**

Cells Per Unit	6	
Voltage Per Unit	12	
Capacity	150Ah@10hr-rate to 1.80V per cell @25°C	
Weight	Approx. 47 Kg (Tolerance ± 1.5%)	
Internal Resistance	Approx. 4.2 mΩ	
Terminal	F12(M8)/F5(M8)	
Max. Discharge Current	1500A (5 sec)	
Design Life	12 years (floating charge)	
Maximum Charging Current	45 A	
Reference Capacity	C3	111.6AH
	C5	125.5AH
	C10	150.0AH
	C20	160.5AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell	
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell	
Operating Temperature Range	Discharge: -20°C~60°C	
	Charge: 0°C~50°C	
	Storage: -20°C~60°C	
Normal Operating Temperature Range	25°C ± 5°C	
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.	
Container Material	A.B.S.	



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.

Dimensions

Length	483±2mm (19.0 inches)
Width	170±2mm (6.69 inches)
Height	241±2mm (9.49 inches)
Total Height	241±2mm (9.49 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

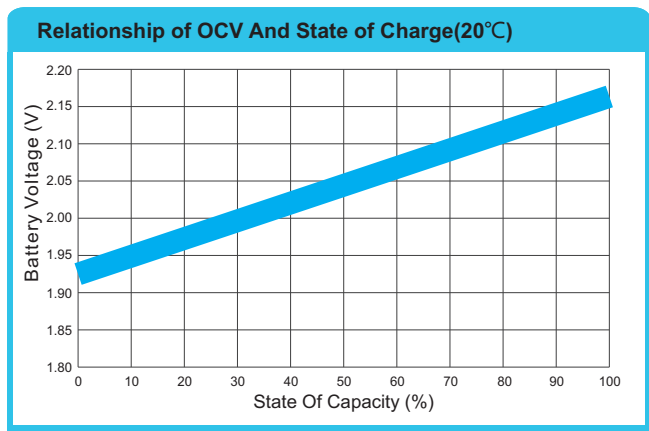
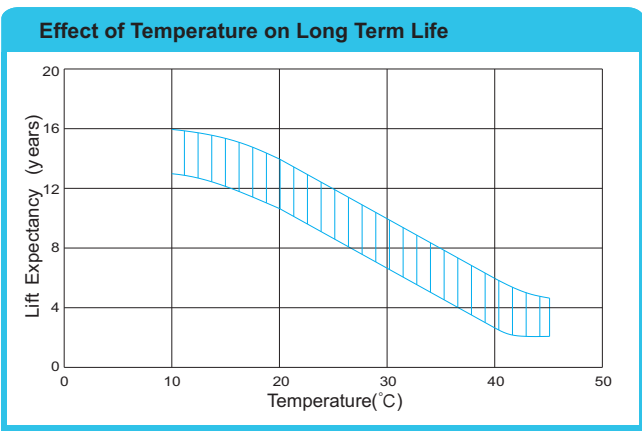
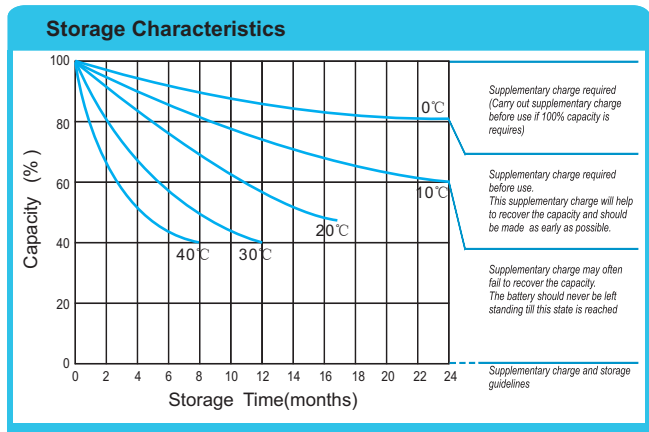
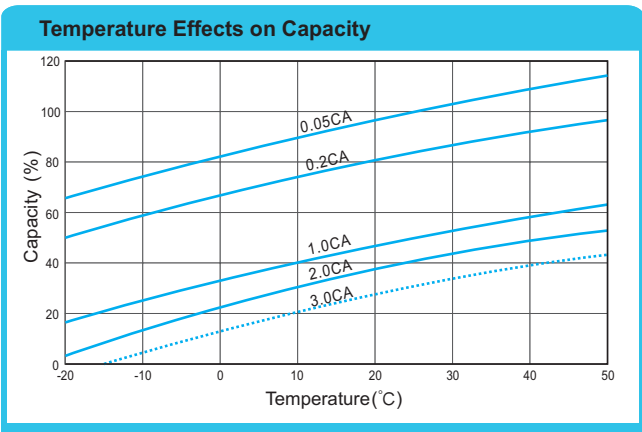
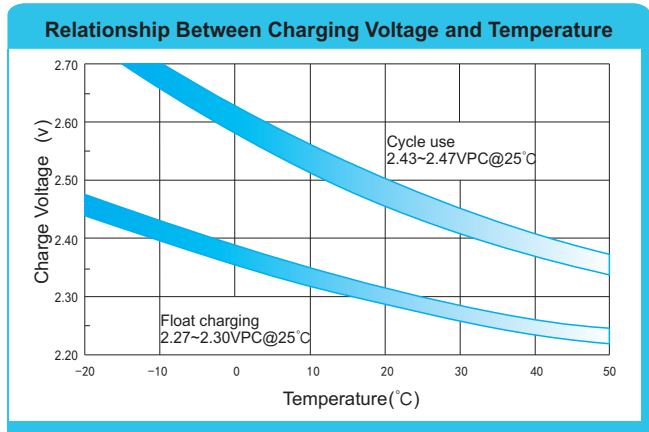
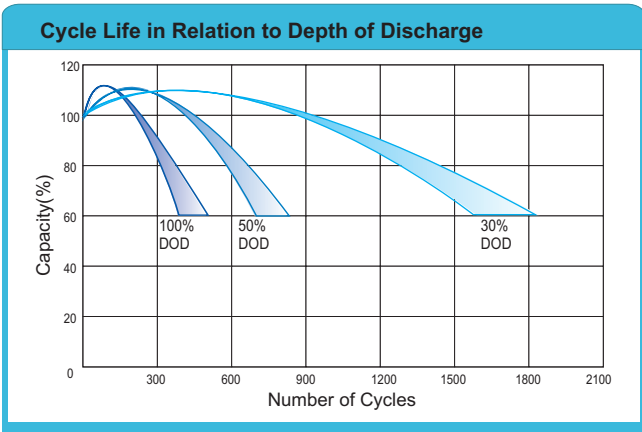
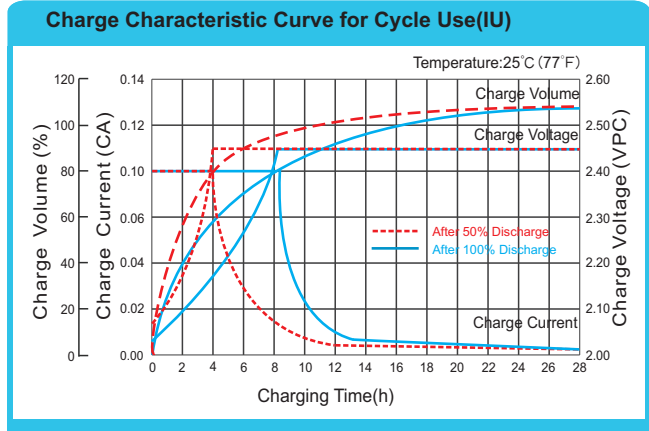
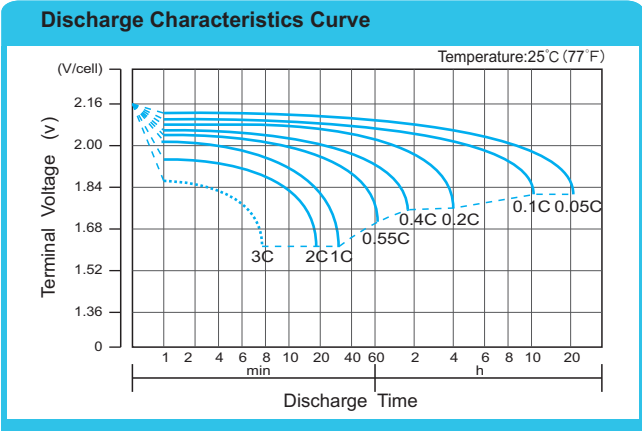
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	320.8	244.9	143.5	86.2	52.7	39.7	31.4	26.5	18.1	15.3	7.79
1.65V	317	237.6	140.5	84.6	51.8	39.1	31.0	26.1	17.9	15.1	7.72
1.70V	293.4	228.0	136.5	82.5	50.6	38.3	30.4	25.7	17.6	14.9	7.63
1.75V	274.9	215.0	131.1	79.5	49.0	37.2	29.6	25.1	17.2	14.7	7.50
1.80V	250.2	197.6	123.7	75.5	46.7	35.6	28.5	24.2	16.7	14.3	7.32
1.85V	224.3	173.6	113.1	69.7	43.5	33.4	26.9	23.0	15.9	13.7	7.05

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	599	476	298	192	129	99.8	86.4	77.7	58.1	42.6	26.2
1.65V	574	456	283	178	114	89.0	72.9	63.3	46.8	41.4	18.0
1.70V	555	442	276	165	102	77.6	61.9	52.5	36.3	31.0	15.9
1.75V	530	423	268	160	99.2	75.7	60.5	51.4	35.6	30.4	15.6
1.80V	491	395	256	152	95.1	72.8	58.4	49.9	34.6	29.6	15.2
1.85V	434	353	238	141	89.1	68.6	55.4	47.5	33.1	28.5	14.7

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

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(Note) All above information shall be changed without prior notice, AxiWin reserves the right to modify the latest information.