

3FM180D-X 6V 180Ah

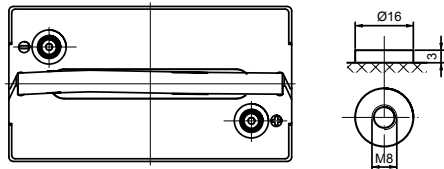
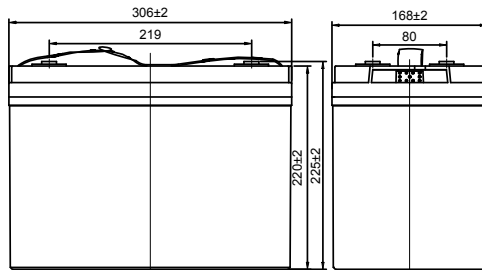
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.



Battery model	3FM 180D -X			
Nominal voltage	6V			
Number of cell	3			
Capacity(25°C)	10hR (18A, 5.40V)	5hR (32.8A, 5.25V)	3hR (51.1A, 5.1V)	1hR (127A, 4.80V)
	180 Ah	164 Ah	153.3 Ah	127 Ah
Dimensions	Length	Width	Height	Total Height
	306 ±2mm	168 ±2mm	220 ±2mm	225 ±2mm
Approx. weight	28.6 Kg (63.1lbs)			
Internal resistance	Full charged at 25°C:2mOhms			
Self discharge	3% of capacity declined per month at 20°C (average)			
Operating temperature range	Discharge	Charge	Storage	
	-20~60°C	-10~60°C	-20~60°C	
Max. discharge current (25°C)	900 A(5s)			
Short circuit current	3050			

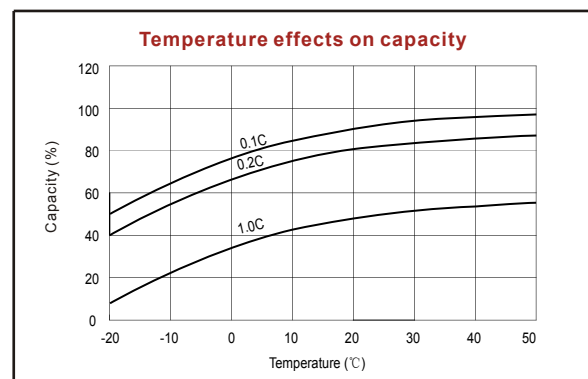
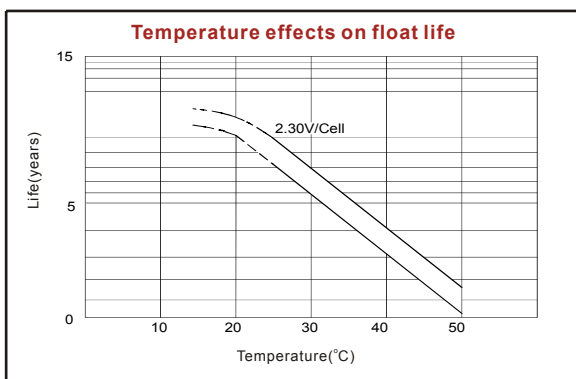
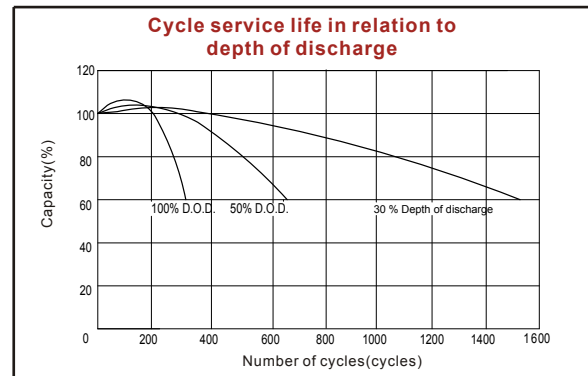
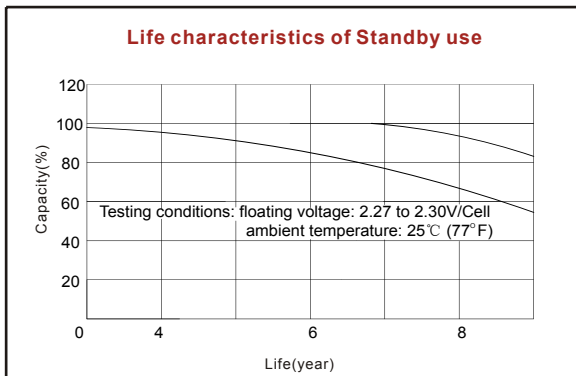
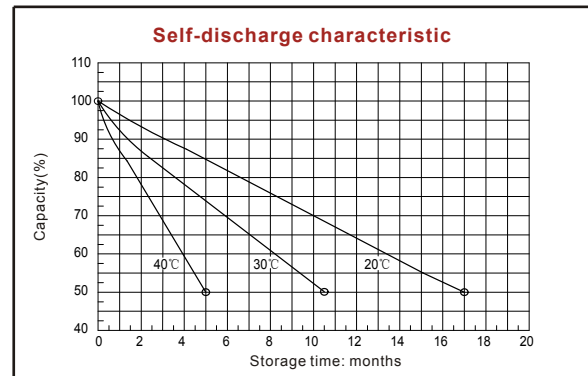
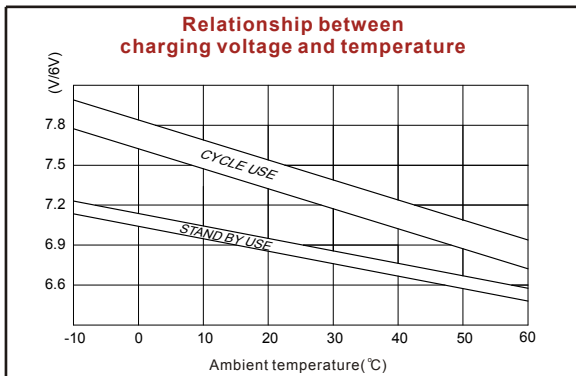
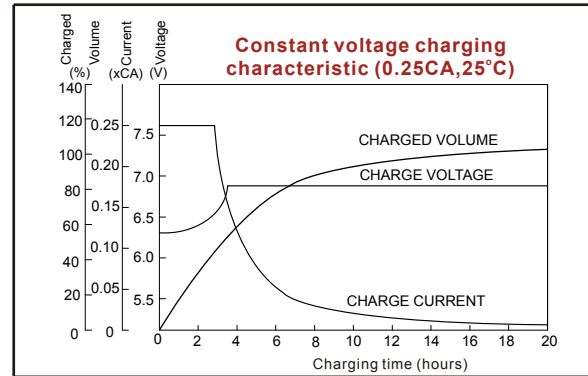
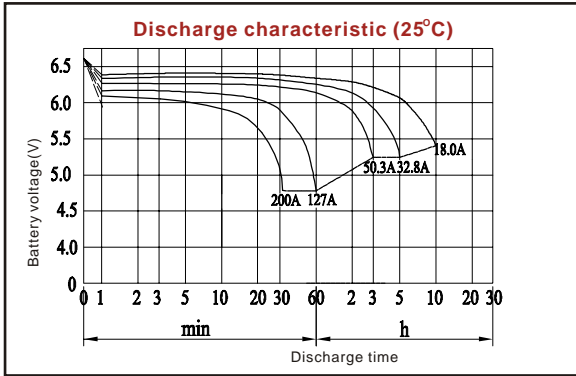
Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	2h	3h	5h	10h
1.60V	--	--	--	220	127	72.6	52.5	34.0	18.6
1.65V	--	--	--	211	125	71.5	51.8	33.6	18.5
1.70V	--	--	--	202	123	70.4	51.1	33.2	18.4
1.75V	--	--	--	193	121	69.2	50.3	32.8	18.2
1.80V	--	--	--	183	118	68.0	49.5	32.3	18.0

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	--	--	--	397	292	251	146	107	66.9
1.65V	--	--	--	383	284	246	144	106	66.2
1.70V	--	--	--	369	276	241	142	105	65.5
1.75V	--	--	--	354	267	235	140	104	64.8
1.80V	--	--	--	339	258	229	137	103	64.0

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



ISO9001:2000

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