

FT-121800

(12V180Ah/10hr)



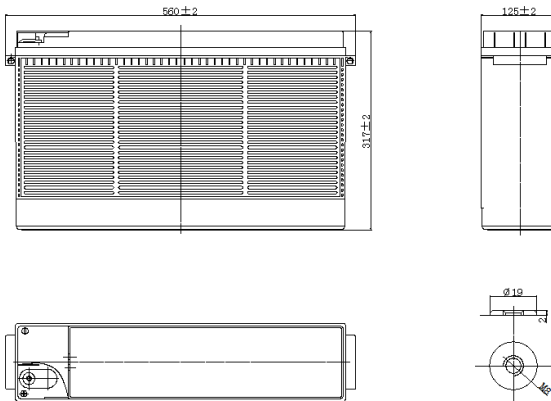
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive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

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof .
- High quality and high reliability.
- Exceptional deep discharge recovery performance.

Application: mainly used in the area of communication

- Alarm System
- Cable Television
- Power tools
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Communication Equipment
- Control Equipment



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

TECHNOLOGY PARAMETER

Battery model	FT-121800			
Designed Floating Life	12 Years			
Capacity (25°C)	10hR(18A, 10.8V)	5hR(30.4A, 1.75V)	1hR(111A, 9.60V)	
	180Ah	152Ah	111Ah	
Dimensions	Length	Width	Height	Total Height
	560±2mm	125±2mm	317±2mm	317±2mm
Approx. weight (±5%)	56Kg			
Internal resistance	Full charged at 25°C: 3.5mOhms			
Self discharge	3% of capacity declined per month at 25°C (average)			
Capacity Affected by Temp.(10HR)	40 °C	25 °C	0 °C	-15 °C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	14.4-14.7V(-30mV/°C), max. Current: 36A		13.5-13.8V(-20mV/°C)	

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Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	334	282	185	111	63.7	47.9	31.0	22.1	18.4
1.65V	312	268	180	109	62.7	47.3	30.8	21.9	18.3
1.70V	290	253	176	107	61.7	46.5	30.6	21.8	18.2
1.75V	268	239	170	104	60.5	45.9	30.4	21.7	18.1
1.80V	245	224	165	102	59.5	45.1	30.2	21.5	18.0

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	587	499	330	199	115	86.8	56.5	40.4	33.9
1.65V	552	477	323	196	114	86.1	56.4	40.3	33.9
1.70V	515	453	316	194	112	85.1	56.4	40.3	33.9
1.75V	480	430	308	190	111	84.4	56.2	40.3	33.8
1.80V	442	405	301	188	109	83.5	56.1	40.3	33.8

