

FT-121000

(12V100Ah/10hr)



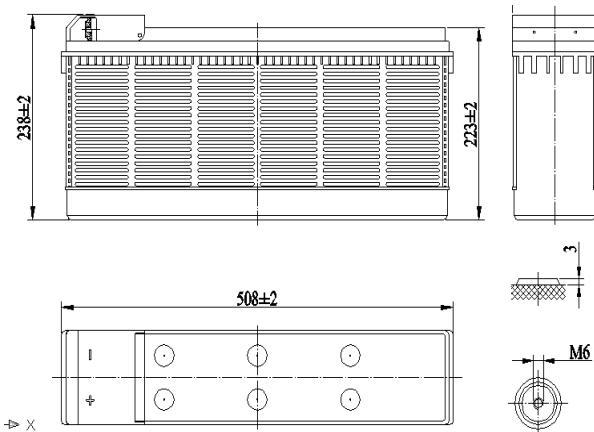
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive 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.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

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-121000			
Designed Floating Life	10~12 Years			
Capacity (25°C)	10hR(10.0A, 10.8V)	5hR(17.4A,10.5V)	1hR(67.6A, 9.60V)	
	100Ah	87.0Ah	67.6Ah	
Dimensions	Length	Width	Height	Total Height
	508 ±2mm	110 ±2mm	223 ±2mm	238 ±2mm
Approx. weight (±5%)	33Kg			
Internal resistance	Full charged at 25°C: Approx. 6.5mOhms			
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: 20A		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	209	169	111	67.6	37.8	27.9	17.7	12.3	10.4
1.65V	194	159	107	66.2	37.2	27.5	17.6	12.2	10.3
1.70V	178	148	102	64.8	36.5	27.1	17.6	12.1	10.2
1.75V	163	138	99	63.5	35.9	26.7	17.4	12.0	10.1
1.80V	147	127	95.1	62.1	35.2	26.2	17.3	11.9	10.0

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	368	299	197	121	68.1	50.5	32.3	22.5	19.1
1.65V	343	283	191	119	67.3	50.1	32.3	22.4	19.0
1.70V	317	265	184	117	66.4	49.5	32.3	22.3	19.0
1.75V	291	249	179	115	65.7	49.1	32.1	22.3	18.9
1.80V	265	230	173	114	64.8	48.5	32.1	22.3	18.8

