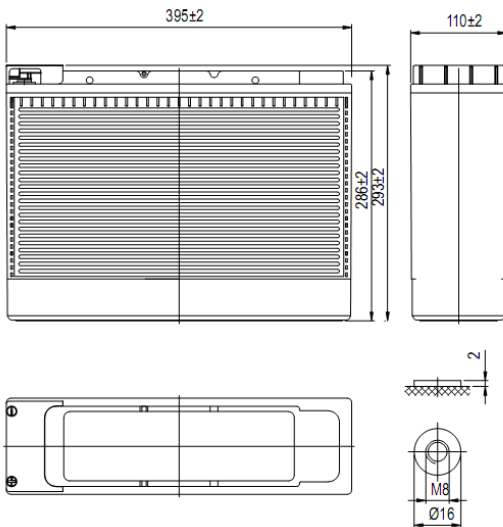


FT-121050

(12V105Ah/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-121050			
Designed Floating Life	10~12 Years			
Capacity (25°C)	10hR(10.5A, 10.8V)	5hR(18.2A,10.5V)		1hR(70.9A, 9.60V)
	105Ah	91.0Ah		70.9Ah
Dimensions	Length	Width	Height	Total Height
	395 ±2mm	110 ±2mm	286 ±2mm	293 ±2mm
Approx. weight (±5%)	35 Kg			
Internal resistance	Full charged at 25°C: Approx. 6mOhms			
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: 21A		13.5-13.8V(-20mV/°C)	

FT-121050 (12V105Ah/10hr)

Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	220	178	116	70.9	39.7	29.3	18.6	12.9	10.9
1.65V	204	167	112	69.5	39.0	28.9	18.5	12.8	10.8
1.70V	187	156	108	68.1	38.3	28.4	18.4	12.7	10.7
1.75V	171	145	104	66.6	37.7	28.0	18.2	12.6	10.6
1.80V	155	133	100	65.2	37.0	27.6	18.1	12.5	10.5

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	387	314	207	127	71.5	53.0	33.9	23.6	20.1
1.65V	360	297	201	125	70.7	52.6	33.9	23.5	20.0
1.70V	333	278	194	123	69.8	52.0	33.9	23.4	19.9
1.75V	306	261	188	121	69.0	51.6	33.7	23.4	19.8
1.80V	278	242	182	119	68.0	51.0	33.7	23.4	19.7

