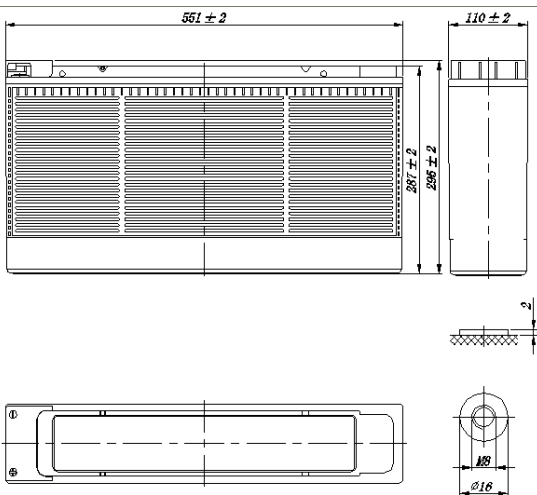


FT-121500

(12V150Ah/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-121500			
Designed Floating Life	12 Years			
Capacity (25°C)	10hR(15A, 10.8V)	5hR(25.8A, 1.75V)		1hR(101A, 9.60V)
	150Ah	129Ah		101Ah
Dimensions	Length	Width	Height	Total Height
	551 ±2mm	110 ±2mm	288 ±2mm	295 ±2mm
Approx. weight (±5%)	45Kg			
Internal resistance	Full charged at 25°C: 4mOhms			
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: 30A		13.5-13.8V(-20mV/°C)	

FT-121500 (12V150Ah/10hr)

Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	282	246	162	101	57.4	42.9	27.5	19.1	15.4
1.65V	259	229	156	99.2	56.3	42.0	26.9	18.9	15.3
1.70V	237	212	149	96.5	55.0	41.2	26.4	18.7	15.2
1.75V	214	195	143	93.7	53.7	40.4	25.8	18.4	15.1
1.80V	191	177	136	90.9	52.3	39.5	25.3	18.2	15.0

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	10min	15min	30min	60min	2h	3h	5h	8h	10h
1.60V	496	435	288	181	103	77.6	50.0	35.0	28.3
1.65V	459	408	279	179	102	76.5	49.3	34.7	28.3
1.70V	421	380	269	175	100	75.4	48.6	34.5	28.3
1.75V	383	351	259	171	98.3	74.3	47.8	34.3	28.2
1.80V	344	321	247	166	96.3	73.1	47.1	34.0	28.2

