

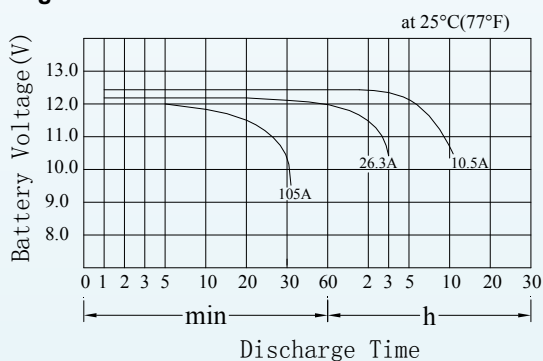


FT12-100

Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		100Ah
Capacity 25°C (77°F)	10 hour rate (10A)	100Ah
	3 hour rate (25A)	75Ah
	1 hour rate (55A)	55Ah
Internal Resistance	Full Charged Battery 25°C (77°F)	≤6mΩ
Cyclic Life	50%(C ₁₀) Depth of discharge	1000 Times
Float Life	25°C (77°F) Float charge at 13.8V	About 10-12 Years
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	62%
Float charging voltage(25°C)	13.50 to 13.80V	
Cyclic charging voltage(25°C)	14.50 to 14.90V	
Operating Temperature Range during Charging/ Discharging	-15°C to 45°C	

Discharge Curve



Battery Construction

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

Discharge Characteristics

Voltage	Run Time (Constant Current and Power 25°C 77°F)										
	3 min	5 min	15 min	30 min	45 min	1h	2h	3h	5h	8h	10h
9.6 V	5076	4104	1870	1230	863	594	393	311.0	210	142.2	127.2
10.2V	4914	3996	1815	1207	851	588	390	307.2	208	139.8	124.8
10.5V	4752	3888	1760	1184	839	583	385	303.6	206	137.4	122.4
10.8V	4590	3780	1705	1161	828	577	380	300.0	204	135.0	120.0

12V 100AH Front Terminal Battery

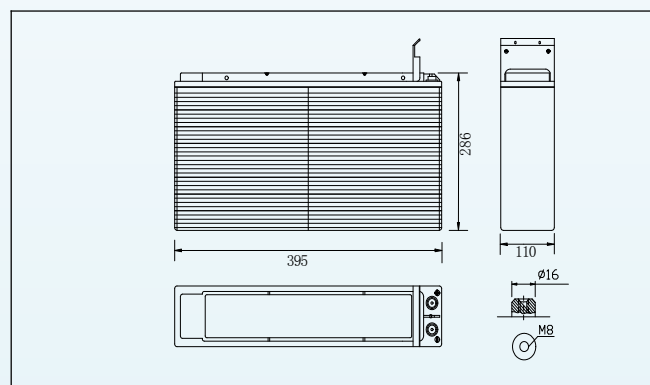
Product Image



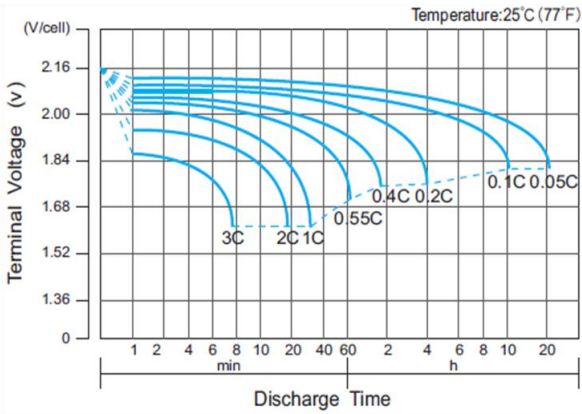
Packing

Battery (L×W×H)	mm±1	395×110×286
	inch	15.6*4.3*11.3
Box (L×W×H)	mm±2	407*122*326
	inch	16*4.8*12.8
Quantity Per Box		1 PCS
Net weight Per Cell		30Kg±150g
Net weight Per Box		30 Kg
Gross Weight		30.5 Kg

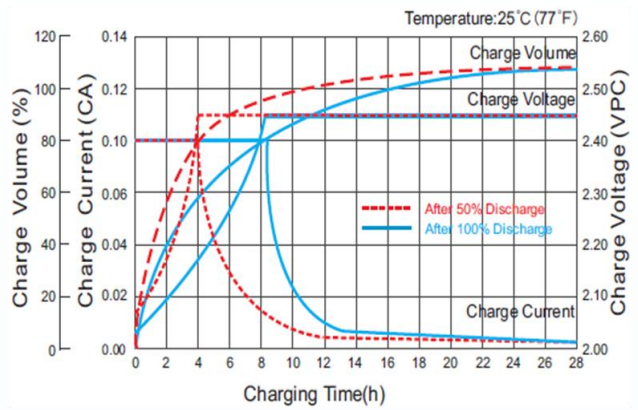
Product Dimensions



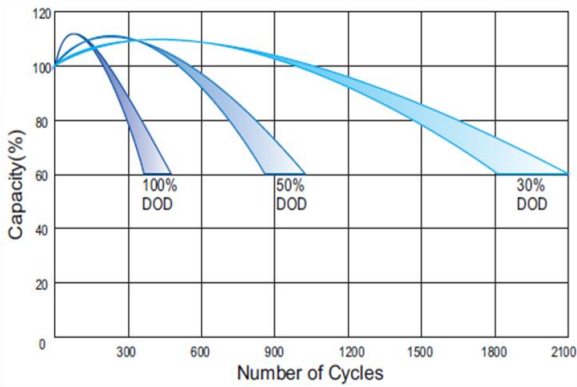
Discharge Characteristics Curve



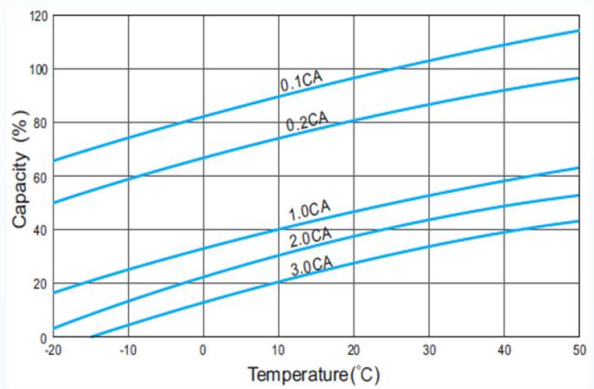
Charging Characteristics



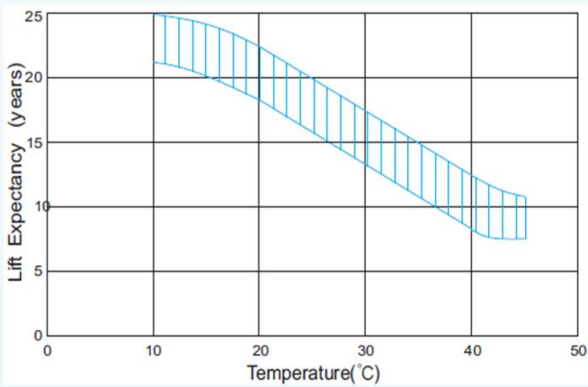
Cycle Life vs. Depth of Discharge (25°C)



Temperature Effects on Capacity



Effect of Temperature on Long Term Life



Storage Characteristics

