

Valve Regulated Lead-Acid Rechargeable Battery

FTB100-12 (12V, 100AH/8HR)



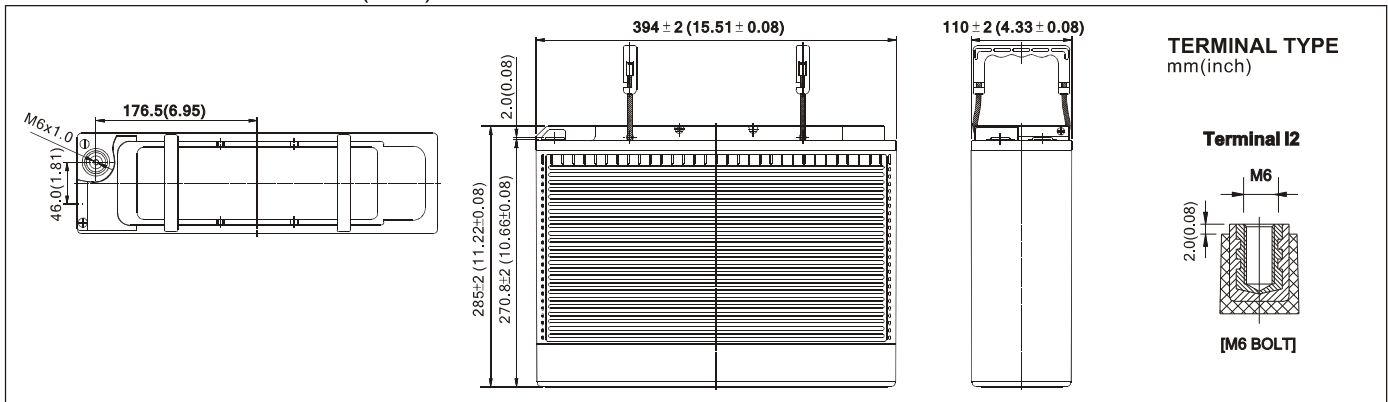
■ FEATURES

- Thermally welded case-to-cover bond to ensure a leak-proof case
- Absorbent Glass Mat technology for efficient gas recombination
- 10 years design life in float applications @ 20°C
- Front accessible terminal for ease of assembly
- Carry handles for ease of installation
- Strengthened rib design to maintain structural integrity
- Flame-arrestor is installed to ensure safety
- One-way self-resealing safety valve for long life guarantee
- Battery design allows for 48VDC configuration in a standard 19" rack

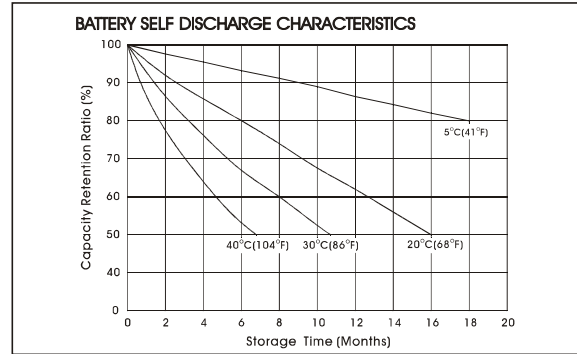
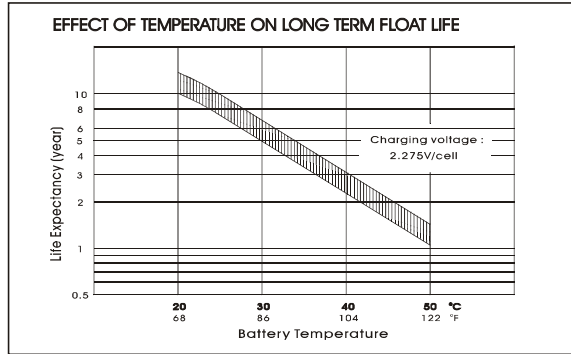
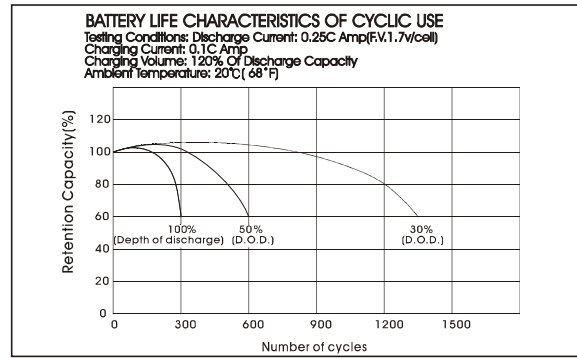
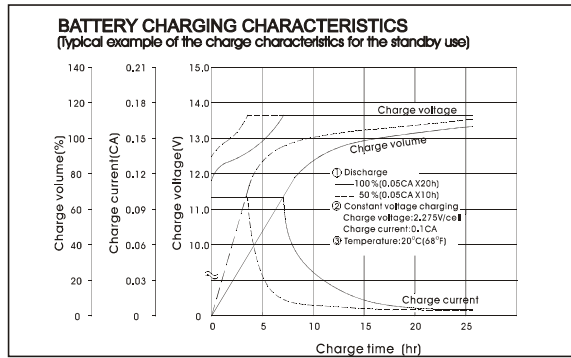
□ SPECIFICATIONS

Nominal Voltage(V).....	12 V
Nominal Capacity(Ah) @ 25°C	
10 Hour rate F.V.(1.75V/cell) (10.15A discharge to 10.5volts).....	101.5 Ah
8 Hour rate F.V.(1.75V/cell) (12.50A discharge to 10.5volts).....	100.0 Ah
1 Hour rate F.V.(1.75V/cell) (66.0A discharge to 10.5volts).....	66.0 Ah
Terminal.....	Front Accessible, Threaded (M6) copper alloy
Terminal Hardware Initial Torque.....	58 kgf-cm (50 in-ibs; 5.6 N-m)
Approximate Weight.....	36.8 kg (81.13 lbs.)
Internal Resistance (Fully Charged Battery).....	<3.5 m Ω
Maximum Charge Current.....	22 A
Maximum Discharge Current for 5 sec.	700 A
Storage Duration.....	Up to 6 months (20°C)
Plates.....	Thick pasted construction with Lead-Tin-Calcium alloy
Container.....	ABS, V-0 is optional
Safety Vent.....	Opening pressure 2-5 psi
Float Voltage.....	2.25 to 2.30 VPC. Recommended 2.27 VPC @ 20°C
Operation Temperature.....	-20-50°C
Application.....	Telecom. UPS. Standby Power

□ DIMENSIONS mm(inch)



FTB100-12 characteristics curve



Constant current discharge data at 25°C/77°F

Final Voltage	Discharge time													
	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	7Hr	8Hr	10Hr	12Hr	20Hr	24Hr	72Hr	100Hr
	Battery output current (Amperes)													
11.40V	55.1	33.3	24.5	19.4	16.2	13.9	12.2	11.00	8.97	7.60	4.76	4.01	1.41	1.03
11.10V	61.3	36.6	26.8	21.2	17.6	15.2	13.3	11.90	9.75	8.26	5.18	4.37	1.54	1.12
10.80V	64.7	38.1	27.8	21.9	18.2	15.7	13.8	12.30	10.10	8.54	5.36	4.52	1.60	1.16
10.50V	66.3	38.8	28.2	22.3	18.5	15.9	14.0	12.50	10.15	8.65	5.45	4.59	1.63	1.19
10.20V	67.4	39.2	28.5	22.5	18.6	16.0	14.1	12.55	10.20	8.68	5.45	4.59	1.63	1.19
9.90V	68.3	39.5	28.7	22.6	18.7	16.1	14.2	12.60	10.22	8.69	5.45	4.59	1.63	1.19

Constant power discharge data at 25°C/77°F

Final Voltage	Discharge time													
	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	7Hr	8Hr	10Hr	12Hr	20Hr	24Hr	72Hr	100Hr
	Battery output power (W)													
11.40V	647.4	394.3	293.3	232.4	194.2	166.9	146.2	132.0	107.7	91.20	57.16	48.12	16.92	12.34
11.10V	719.9	434.1	320.5	254.2	211.6	182.2	159.3	142.8	117.1	99.12	62.18	52.44	18.48	13.44
10.80V	760.5	451.4	332.4	262.9	218.2	188.7	165.8	147.5	121.2	102.48	64.36	54.22	19.20	13.96
10.50V	778.6	459.9	336.7	267.3	222.5	190.9	168.0	150.0	121.8	103.80	65.40	55.08	19.56	14.28
10.20V	791.5	464.3	340.0	269.5	223.6	192.0	169.1	150.6	122.4	104.16	65.40	55.08	19.56	14.28
9.90V	802.2	468.5	343.3	271.6	224.7	193.1	170.2	151.2	122.6	104.28	65.40	55.08	19.56	14.28



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