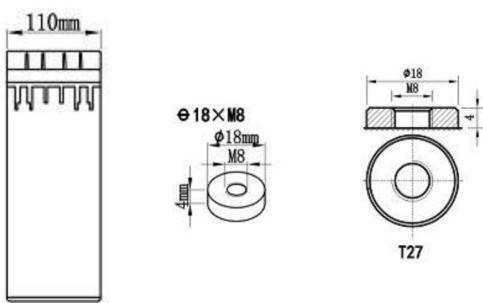
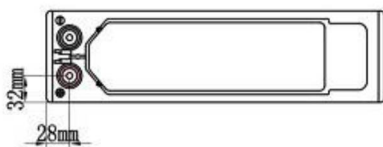
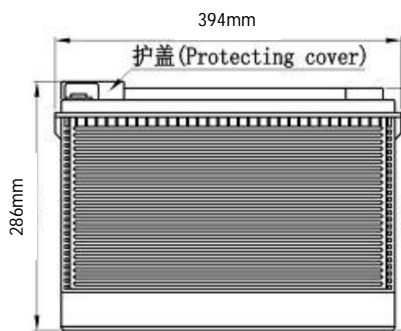



**DATASHEET**  
**FAT 100-12**
**12V 100AH**
**VLRA AGM BATTERY**
**LONG LIFE 12 YEARS OF EXPECTED LIFETIME**

(EUROBAT)


**SPECIFICATIONS**

Nominal Voltage	12V	
Nominal Capacity	100Ah	
Terminal	T27	
Approx. Weight	Approx 30,3 kg (67,7 lbs)	
Container Material	ABS UL94-V0	
Dimensions	Length	394±3 mm (16,14 inches)
	Width	110±2 mm (4,33 inches)
	Container Height	286±3 mm (11,29 inches)
	Total Height (with terminal)	286±3 mm (11,61 inches)
Rated Capacity	105 Ah	20 hr (5A)
	100 Ah	10 hr (10A)
	85 Ah	5 hr (17A)
	76 Ah	3 hr (25A)
	60 Ah	1 hr (60A)
Internal Resistance	Full charged at 25°C: 5,9 mΩ	

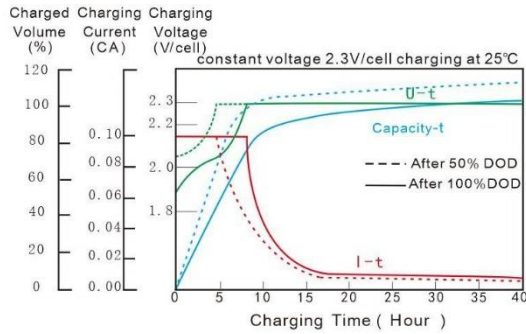
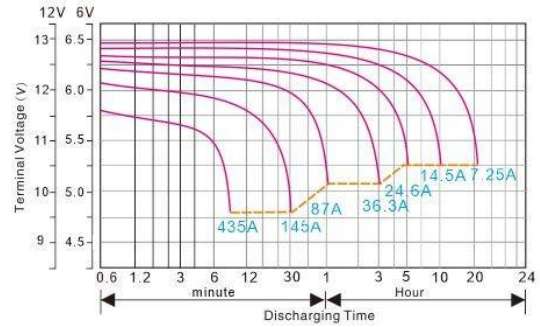
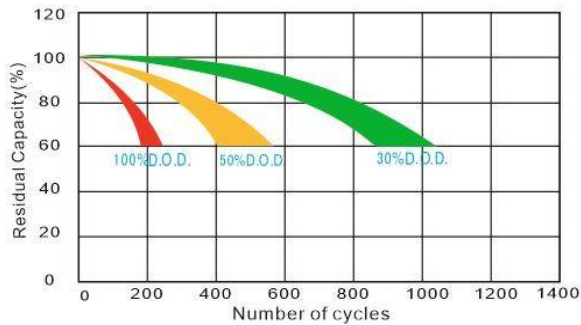
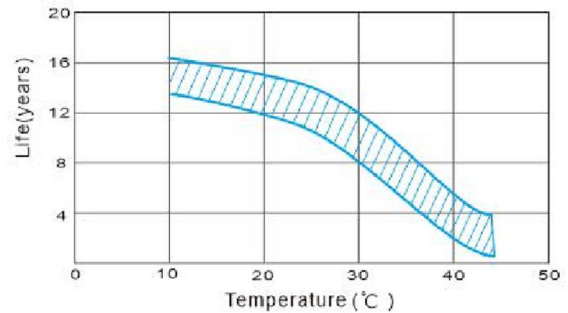
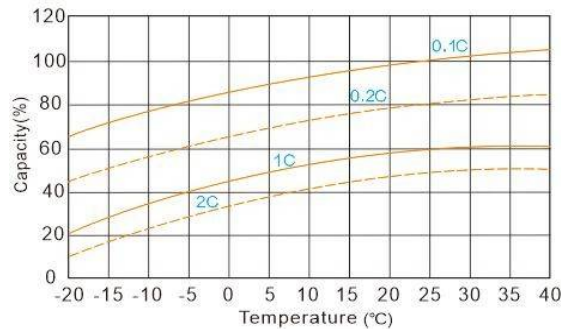
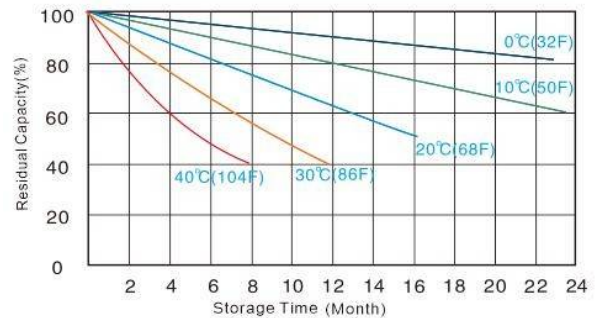
Capacity Affected by Temperature	40°C (104°F) : 103%
	25°C (77°F) : 100%
	0°C (32°F) : 86%

Cycle Application	Limit initial current less than 25A.
	Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
	Hold at 14.1V to 14.4V until current drop to under0.60A for at least 3 hours.

Temperature compensation coefficient of charging voltage is -30mV/°C.

Standby Service	Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 25A continuously .When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.
	Temperature compensation coefficient of charging voltage is -18mV/°C.



**CHARGE CHARACTERISTIC (25°C/77°F)**

**DISCHARGE CHARACTERISTIC (25°C/77°F)**

**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**

**TEMPERATURE VS FLOAT LIFE**

**CAPACITY CURVE AT DIFFERENT TEMPERATURE**

**SELF DISCHARGE CHARACTERISTICS**

**Battery Discharge Table**

End Voltage (V)	Minute (M)					Hour (H)								
	5	10	15	30	45	1	1.5	2	3	5	8	10	20	
<b>Constant Current Discharge Data Sheet (Amperes at 25°C)</b>														
10.20	315	240	181	95.9	89.0	62.5	49.4	41.3	25.9	17.99	12.80	10.80	5.65	
10.50	280	220	169	92.0	85.0	60.0	47.4	39.8	25.1	17.18	12.10	10.50	5.55	
10.80	260	200	158	88.9	81.0	57.5	45.5	38.3	24.2	16.44	11.50	10.20	5.38	
<b>Constant Power Discharge Data Sheet (Watt at 25°C)</b>														
10.20	3130	2650	1907	1198	900	782	570	429	320	206	153	130	68.1	
10.50	3010	2250	1712	1171	880	770	562	415	310	200	151	126	66.0	
10.80	2800	2100	1635	1145	850	735	536	401	299	193	149	120	64.5	