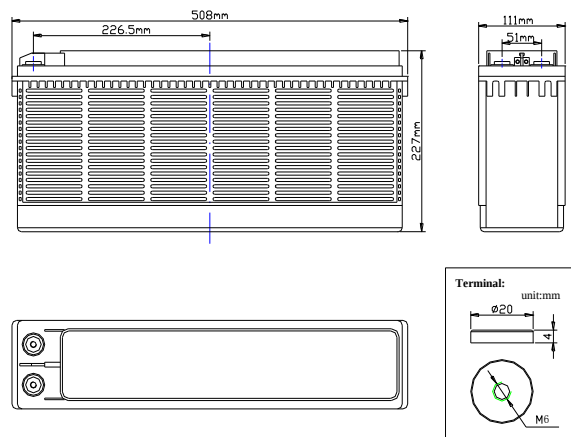


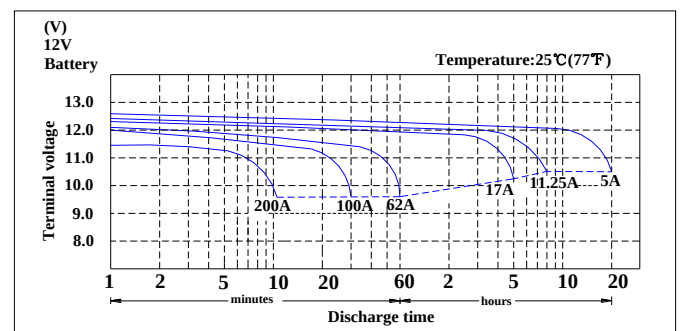
FAT100-12



Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate to 1.75Vpc)		100AH
Rated Capacity (10 hour rate to 1.75Vpc)		95AH
Dimension	Total Height (with terminals)	227mm(8.94 inches)
	Height	227mm(8.94 inches)
	Length	508mm(20.0inches)
	Width	111mm(4.37inches)
Weight		Approx.32.5kg (71.65lbs)

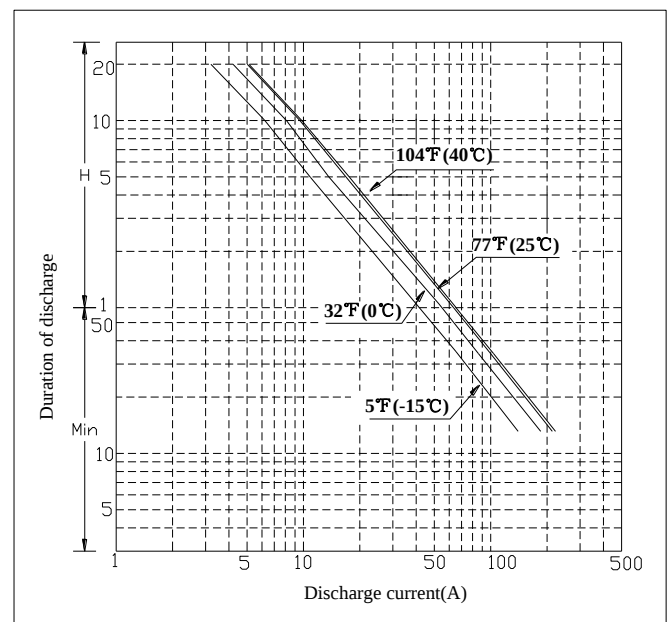
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (5A to 10.5Volts)	100AH
	8 hour rate (11.25A to 10.5Volts)	90AH
	5 hour rate (17A to 10.2Volts)	85AH
	1 hour rate (62A to 9.6Volts)	62AH
Internal Resistance	Full charged 77°F (25°C)	3.7mΩ
Standard Terminal	M8	
Capacity affected by Temperature (20 hour rate)	104°F (40°C)	102%
	77°F (25°C)	100%
	32°F (0°C)	85%
	5°F (-15°C)	65%
Self-Discharge 77°F (25°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Max. Discharge Current 77°F (25°C)		1000A (5s)
Charging (Constant Voltage)	Cycle	Initial Charging Current 20A Or Small 14.5V~14.9V/77°F (25°C)
	Float	13.6V~13.8V/77°F (25°C)

Duration of discharge vs. Discharge current



Constant wattage discharge(Watts per cell @ 25°C)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.67V	559	390	311	193	140	116	64.3	48.1	33.0	22.18	17.87	15.09	8.34
1.70V	536	383	306	189	139	115	64.0	47.8	32.8	21.88	17.87	15.03	8.30
1.75V	517	364	297	186	138	114	63.5	47.7	32.8	21.77	17.76	14.92	8.27
1.80V	472	348	288	180	134	111	63.4	47.3	32.4	21.70	17.56	14.76	8.22

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

FULLRIVER

FAT BATTERIES

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specification are subject to modification without notice. Contact Fullriver for the latest information.