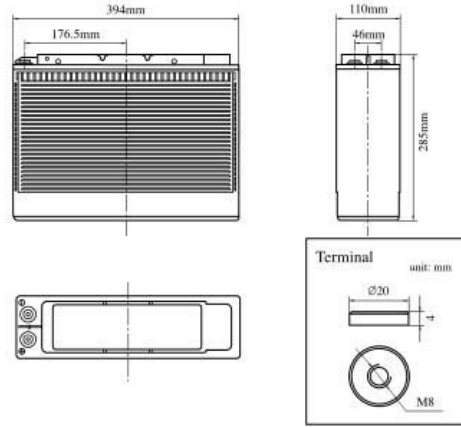


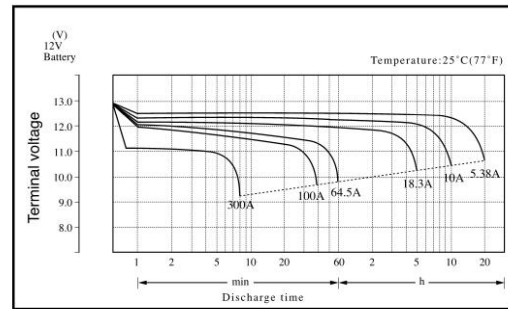
12AFT100A



Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		100AH
Dimension	Total Height (with terminals)	285mm(11.22inches)
	Height	285mm(11.22inches)
	Length	394mm(15.51inches)
	Width	110mm(4.33inches)
Weight		Approx.37.0kg(81.57lbs)

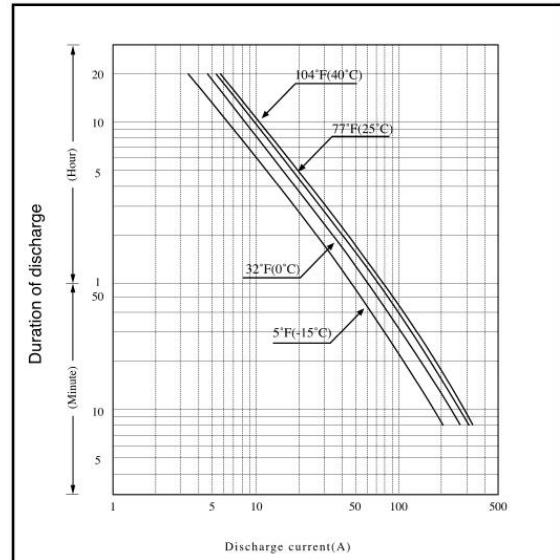
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (5.38A)	107.5AH
	10 hour rate (10A)	100AH
	5 hour rate (18.3A)	91.4AH
	1 hour rate (64.5A)	64.5AH
	15 min rate (188A)	47.0AH
Internal Resistance	Full charged Battery 77°F (25°C)	3.3mΩ
	104°F (40°C)	102%
	77°F (25°C)	100%
	32°F (0°C)	85%
Capacity affected by Temperature (20 hour rate)	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)	1500A (5S)	
Terminal	Standard	F17
	Optional	
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 Power discharge Watts Per Cell 77°F (25°C)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.60V	693	511	410	249	179	138	80.6	56.2	37.7	24.9	21.0	18.1	9.33
1.65V	678	504	404	247	177	137	80.2	55.7	37.7	24.9	21.0	18.1	9.33
1.67V	670	498	398	245	176	136	79.8	55.3	37.7	24.9	21.0	18.1	9.33
1.70V	647	482	383	239	172	135	79.4	54.9	37.7	24.8	21.0	18.1	9.33
1.75V	616	460	366	229	168	133	78.8	54.3	37.2	24.4	20.8	18.1	9.33
1.80V	587	439	350	221	163	131	78.1	53.7	36.7	24.0	20.4	17.8	9.33

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