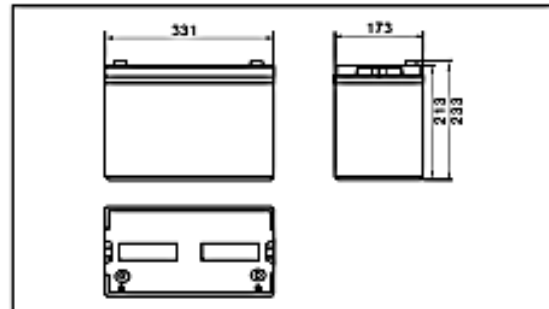


BT-12-100 (12V 100AH)



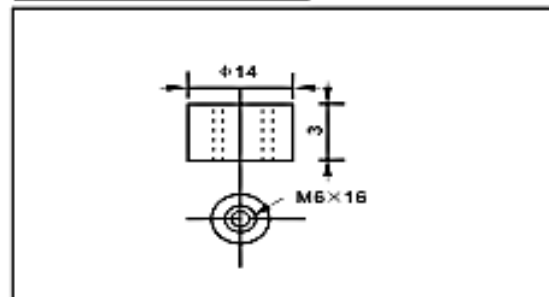
● Outer dimensions (mm)



● Specifications

Nominal Voltage		12V
Rated capacity (10 hour rate)		100 Ah
Dimensions	Total Height	233 mm (9.17 inches)
	Height	213 mm (8.39 inches)
	Length	331 mm (13.03 inches)
	Width	173 mm (6.81 inches)
Weight Approx		32 Kg (70.5 lbs)

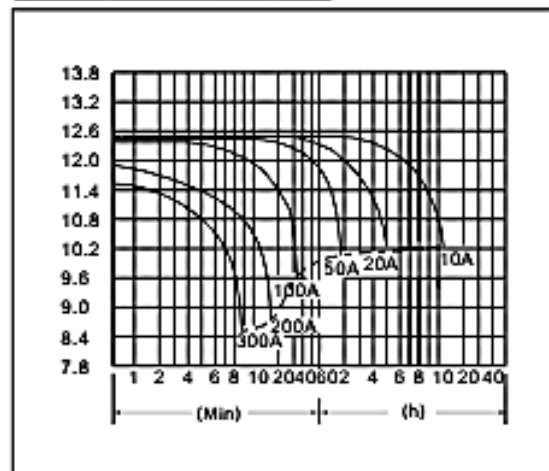
● Terminal Type (mm)



● Characteristics

Capacity 25°C (77°F)	10 hour rate (10A)	100 AH
	5 hour rate (16A)	80AH
	1 hour rate (60A)	60 AH
	1.5 hour discharge to 10.5V	40 A
Internal Resistance	Full charged Battery at 25°C (77°F)	3 mΩ
Capacity affected by Temperature (10hour rate)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge at 25°C (77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T10, T16	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 40 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

● Discharge Curves 25 °C (77°F)



Constant Current (Amp) and Constant Power (Watt) Discharge Table at 25 (77) °C °F

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	370	270	190	115	60	35	25.7	20.0	16.5	11.6	5.67
	W	3929	2867	2018	1221	695	405	298	232	191	135	65.7
10.20V	A	326	246	170	109.0	56.4	33.4	25.0	19.5	16.2	11.4	5.53
	W	3619	2731	1887	1210	653	387	290	226	188	132	64.0
10.50V	A	314	234	160	106	55	32.6	24.4	19.2	16.0	11.3	5.46
	W	3561	2654	1814	1202	632	378	283	222	185	131	63.2
10.80V	A	302	222	150	103	53	31.8	23.8	18.9	15.6	11.0	5.40
	W	3515	2584	1746	1199	615	370	277	218	182	128	62.9
11.10V	A	290	210	140	100	51	31.0	23.0	18.3	15.2	10.7	5.13
	W	3451	2499	1666	1190	607	369	274	217	181	127	61.0