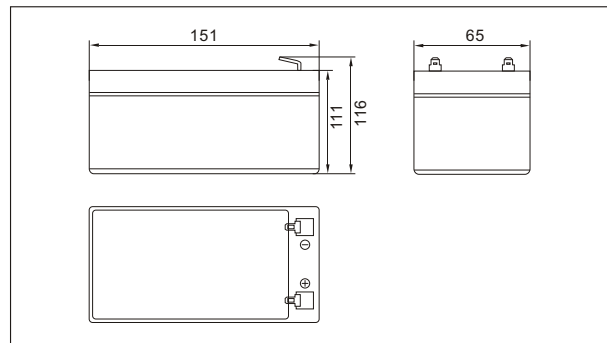


## SG12100T2(12V10AH)



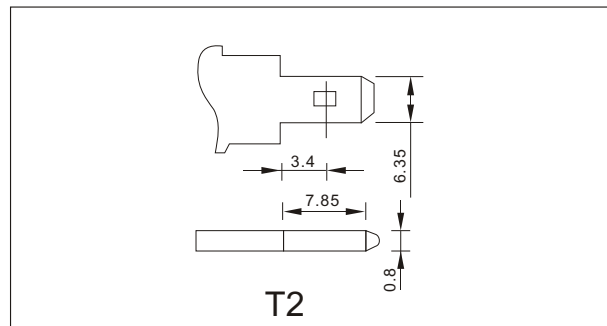
● **Outer dimensions (mm)**



● **Specifications**

Nominal Voltage		12V
Rated capacity (20hour rate)		10Ah
Dimensions	Total Height	116mm (4.57inches)
	Height	111mm (4.37inches)
	Length	151mm (5.94inches)
	Width	65 mm (2.56 inches)
Weight Approx		3.20Kg (7.05 lbs)

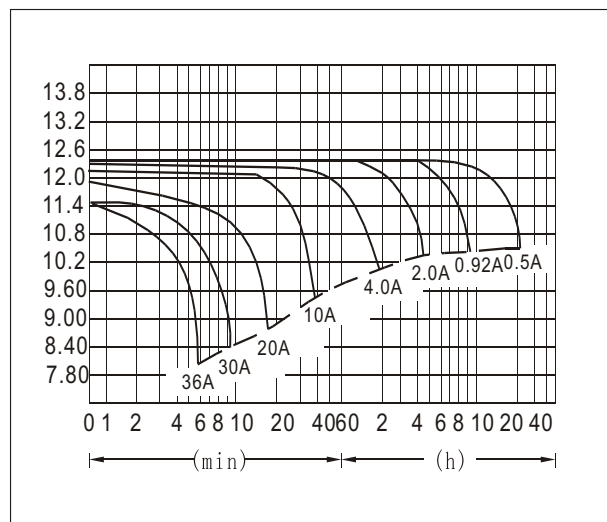
● **Terminal Type (mm)**



● **Characteristics**

Capacity 25°C(77°F)	20 hour rate(0.50 A)	10.0 AH
	10 hour rate(0.92 A)	9.20 AH
	5 hour rate(1.70 A)	8.50 AH
	1 hour rate(6.00 A)	6.00 AH
	1.5 hour discharge to 10.5V	4.3 A
Internal Resistance	Full charged Battery at 25°C(77°F)	19 mΩ
Capacity affected by Temperature (20hour 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
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T2, T3, T5	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 4.00A Voltage 14.40-14.70V
	Float	Voltage 13.50-13.80V

● **Discharge Curves 25°C(77°F)**



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)													
Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	36.0	23.6	17.5	11.5	6.00	3.50	2.58	2.07	1.75	1.16	0.95	0.52
	W	374	253	188	124	64.8	38.4	28.7	23.3	19.9	13.3	10.9	6.01
10.20V	A	33.0	22.6	16.1	10.9	5.63	3.36	2.50	2.00	1.72	1.14	0.93	0.50
	W	354	252	180	123	63.7	38.7	29.0	23.3	20.1	13.3	10.9	5.91
10.50V	A	30.0	21.1	15.0	10.6	5.45	3.29	2.46	1.90	1.70	1.13	0.92	0.50
	W	330	240	171	122	63.1	38.2	28.6	22.2	19.9	13.2	10.9	5.91
10.80V	A	28.9	20.2	14.0	10.3	5.27	3.21	2.42	1.87	1.63	1.10	0.90	0.49
	W	324	233	161	119	61.3	37.6	28.5	22.0	19.2	13.0	10.6	5.81
11.10V	A	26.7	19.0	13.0	10.0	5.08	3.13	2.29	1.83	1.55	1.07	0.88	0.48
	W	303	220	151	117	59.8	36.9	27.2	21.8	18.5	12.8	10.6	5.76