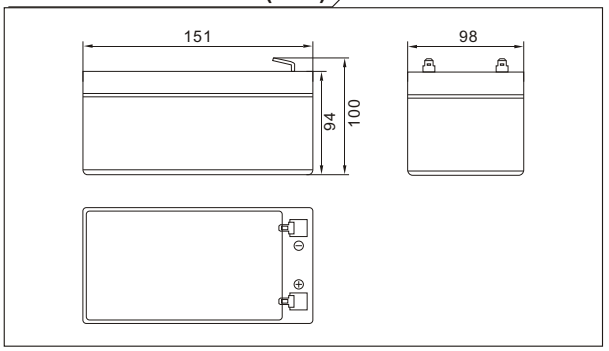
SHENZHEN SUNNYWAY BATTERY TECH CO.,LTD.

SW1251W(12V12Ah)



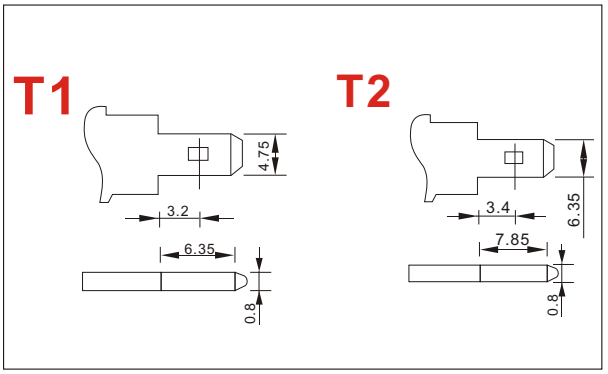
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
CAPACITY(15 minutes rate to 1.67V/cell)		51W
Rated capacity (20 hour rate)		12Ah
Dimensions	Total Height	100 mm (3.94 inches)
	Height	94 mm (3.70 inches)
	Length	151 mm (5.94 inches)
	Width	98 mm (3.86 inches)
Weight Approx		4.1Kg (9.038lbs)

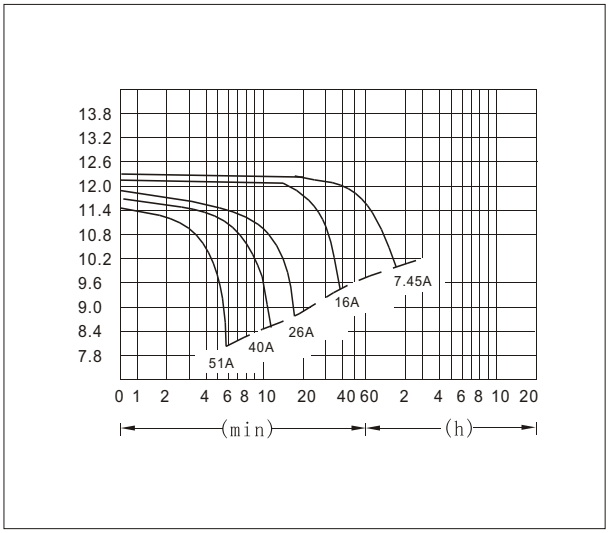
Terminal Type (mm)



Characteristics

Capacity 25℃(77℉)	60min rate 30min rate 10min rate 6min rate	92.8W 182.3W 433.3W 588.8W
Internal Resistance	Full charged Battery at 25℃(77℉)	9 mΩ
Capacity affected by Temperature (20hour rate)	40℃(104℉) 25℃(77℉) 0℃(32℉) -15℃(5℉)	102% 100% 85% 65%
Self-Discharge at 25℃(77℉)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal	T1、T2	
Charge (constant Voltage) Cycle	Initial Charging Current less than 3.0A Voltage 14.10-14.40V	
Charge (constant Voltage) Float	Voltage 13.50-13.80V	

Discharge Curves 25℃(77℉)



Constant power discharge unit:watts(25℃, 77℉)

	2MIN	4MIN	6MIN	8MIN	10MIN	15MIN	30MIN	60MIN
1.6V	1012.5	755.8	588.8	503.5	433.3	319.7	182.3	98.2
1.67V	943.6	706.6	549.7	476.8	409.7	306.0	173.5	94.4
1.7V	914.3	685.7	533.0	465.6	399.5	300.1	172.4	92.8
1.75V	866.6	649.4	515.4	448.0	380.0	289.6	169.7	92.4
1.8V	818.9	614.1	497.8	430.5	360.4	279.1	166.9	92.0
1.85V	771.0	578.3	480.1	412.9	340.8	267.9	164.1	91.5

Constant current discharge unit:A(25℃, 77℉)

	5MIN	10MIN	15MIN	30MIN	60MIN	5h	10h	20h
1.6V	51.12	40.54	28.97	16.16	8.80	23.40	11.40	0.65
1.67V	48.67	37.92	28.68	15.46	8.40	23.04	11.28	0.64
1.7V	46.33	37.12	26.96	15.17	8.26	22.80	11.16	0.62
1.75V	44.02	35.12	25.91	14.88	8.23	21.96	11.04	0.60
1.8V	41.10	33.12	24.83	14.60	8.18	21.36	10.80	0.59
1.85V	39.38	32.28	23.76	14.28	8.14	20.40	10.56	0.58