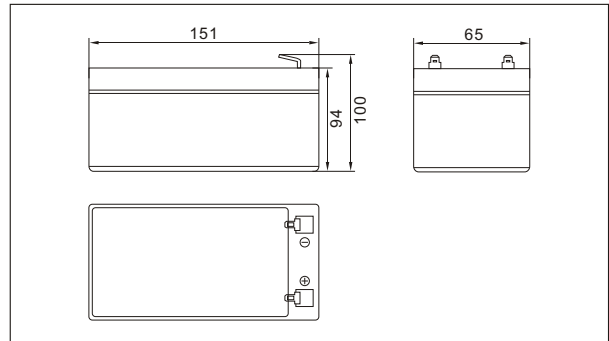




# SW1275(12V7.5AH)



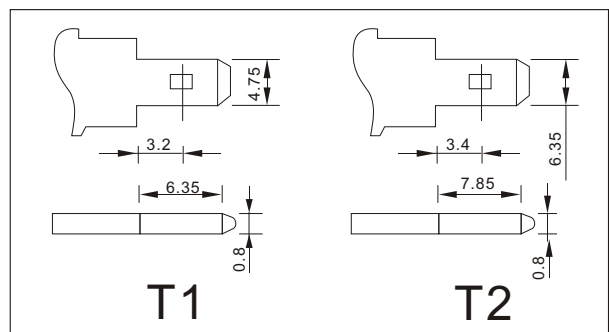
### Outer dimensions (mm)



### Specifications

Nominal Voltage	12V	
Rated capacity (20hour rate)	7.5 Ah	
Dimensions	Total Height	100mm (3.94 inches)
	Height	94mm (3.70 inches)
	Length	151mm (5.94 inches)
	Width	65mm (2.56 inches)
Weight Approx	2.47Kg (5.45lbs)	

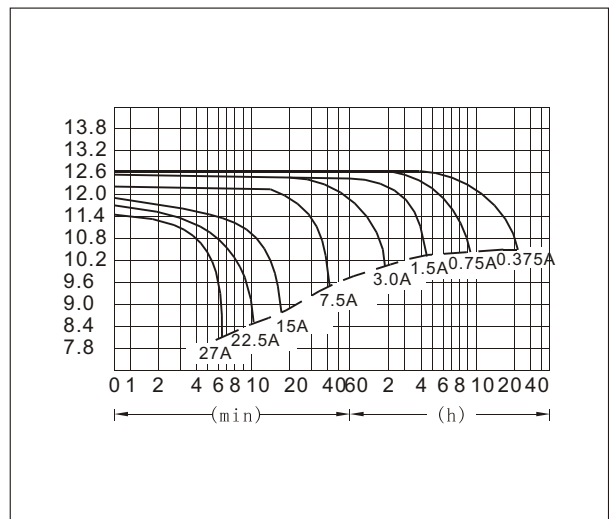
### Terminal Type (mm)



### Characteristics

Capacity 25°C(77°F)	20 hour rate(0.38 A)	7.50 AH
	10 hour rate(0.69 A)	6.90 AH
	5 hour rate(1.28 A)	6.40AH
	1 hour rate(4.50 A)	4.50 AH
	1.5 hour discharge to 10.5V	3.2 A
Internal Resistance	Full charged Battery at 25°C(77°F)	15 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	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T1 or T2	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 3.00A 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	27.0	17.7	13.1	8.6	4.5	2.63	1.93	1.55	1.32	0.87	0.71	0.39
	W	280	190	141	93	49	28.8	21.5	17.4	15.0	10.0	8.2	4.5
10.20V	A	24.8	16.9	12.1	8.2	4.2	2.52	1.88	1.50	1.29	0.85	0.70	0.38
	W	266	189	135	92	48	29.0	21.7	17.4	15.0	10.0	8.2	4.4
10.50V	A	22.5	15.8	11.3	7.9	4.1	2.47	1.84	1.43	1.28	0.84	0.69	0.38
	W	248	180	128	91	47	28.6	21.5	16.7	14.9	9.9	8.2	4.4
10.80V	A	21.7	15.1	10.5	7.7	4.0	2.41	1.81	1.40	1.22	0.82	0.67	0.37
	W	243	174	121	89	46	28.2	21.4	16.5	14.4	9.8	8.0	4.3
11.10V	A	20.0	14.3	9.8	7.5	3.8	2.34	1.72	1.37	1.17	0.80	0.66	0.36
	W	227	165	113	88	45	27.7	20.4	16.4	13.9	9.6	7.9	4.3