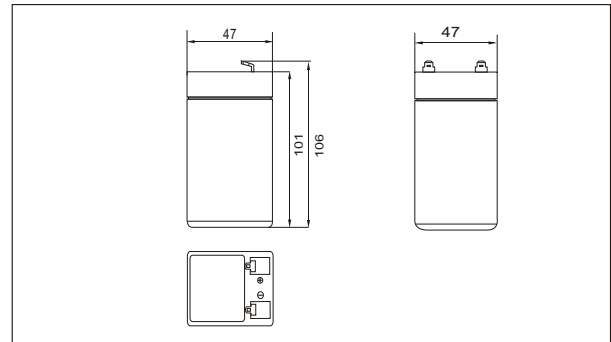


SG445T1(4V4.5AH)



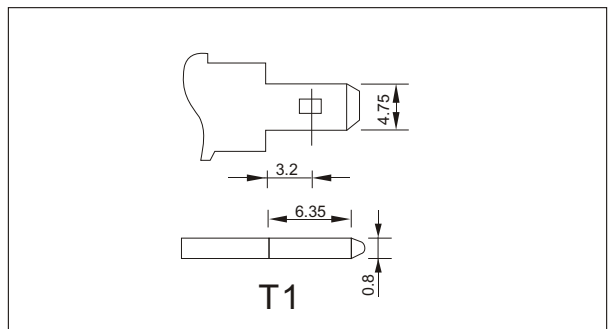
● Outer dimensions (mm)



● Specifications

Nominal Voltage		4 V
Rated capacity (20 hour rate)		4.5Ah
Dimensions	Total Height	106 mm(4.17 inches)
	Height	101mm(3.98 inches)
	Length	47 mm(1.85 inches)
	Width	47 mm(1.85 inches)
Weight Approx		0.53Kg(1.17lbs)

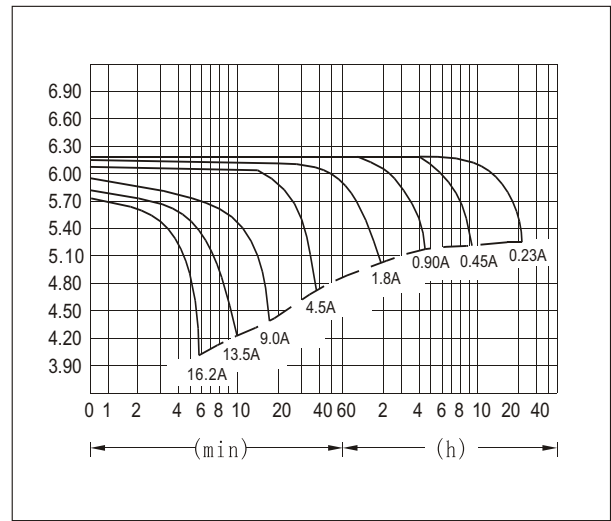
● Terminal Type (mm)



● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.23A)	4.5AH
	10 hour rate(0.41A)	4.14AH
	5 hour rate(0.76A)	3.83AH
	1 hour rate(2.70A)	2.70 AH
	1.5 hour discharge to 3.5 V	1.94A
Internal Resistance	Full charged Battery at 25°C(77°F)	11 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
Charge (constant Voltage)	Cycle	Initial Charging Current less than 1.35 A Voltage 4.8-4.9 V
	Float	Voltage 4.5-4.6 V

● 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
3.20V	A	16.2	10.6	7.88	5.18	2.70	1.58	1.16	0.93	0.79	0.52	0.43	0.23
	W	56.1	38.0	28.1	18.5	9.72	5.76	4.30	3.49	2.99	1.99	1.64	0.90
3.40V	A	14.9	10.2	7.24	4.91	2.53	1.51	1.13	0.90	0.77	0.51	0.42	0.23
	W	53.2	37.9	27.0	18.4	9.56	5.81	4.34	3.49	3.01	2.00	1.64	0.89
3.50V	A	13.5	9.50	6.75	4.76	2.45	1.48	1.11	0.86	0.77	0.51	0.41	0.23
	W	49.5	36.0	25.7	18.3	9.47	5.73	4.30	3.33	3.01	1.98	1.63	0.89
3.60V	A	13.0	9.08	6.30	4.63	2.37	1.44	1.09	0.84	0.73	0.49	0.40	0.22
	W	48.6	34.9	24.2	17.9	9.20	5.64	4.27	3.31	2.88	1.95	1.60	0.87
3.70V	A	12.0	8.55	5.85	4.50	2.29	1.41	1.03	0.82	0.70	0.48	0.39	0.21
	W	45.4	33.0	22.7	17.6	8.97	5.54	4.08	3.28	2.78	1.92	1.58	0.86