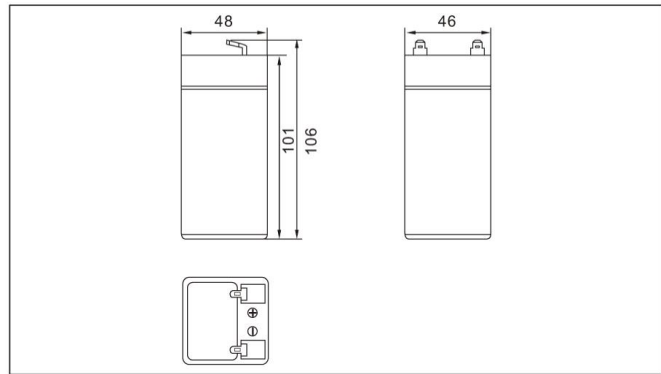


(4V4.5AH)



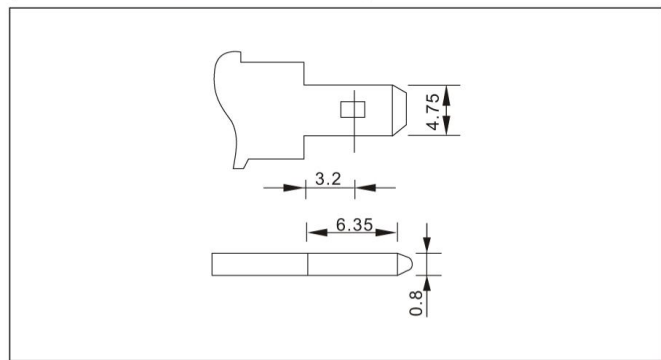
● Outer dimensions (mm)



● Specifications

Nominal Voltage		4 V
Rated capacity (20 hour rate)		4.5 Ah
Dimensions	Total Height	106 mm(4.17 inches)
	Height	101mm(3.98 inches)
	Length	48 mm(1.89 inches)
	Width	46 mm(1.81 inches)
Weight Approx		0.60 Kg(1.32lbs)

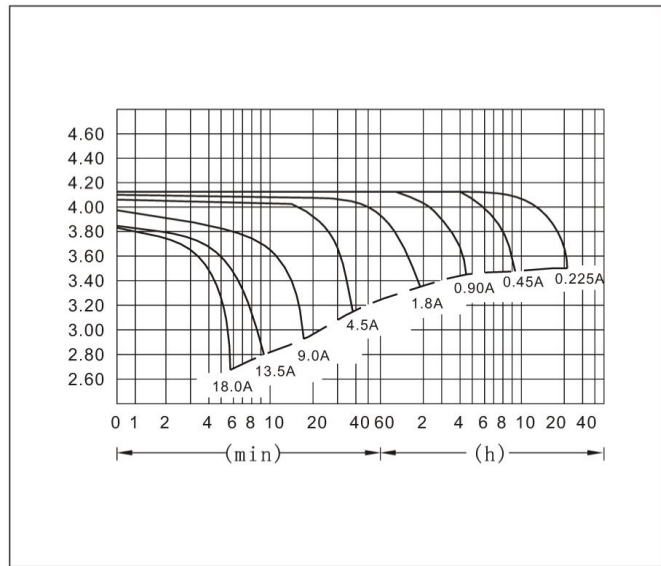
● Terminal Type (mm)



● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.225A)	4.5 AH
	10 hour rate(0.41A)	4.1 AH
	5 hour rate(0.77A)	3.8 AH
	1 hour rate(2.70A)	2.7 AH
	1.5 hour discharge to 3.5V	1.8 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
Charge (constant Voltage)	Cycle	Initial Charging Current less than 1.8A Voltage 4.70-4.80V
	Float	Voltage 4.50-4.60V

● 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	18.0	12.2	8.6	5.2	2.70	1.58	1.16	0.93	0.79	0.52	0.43	0.226
	W	64	43	30	18	10.4	6.1	4.5	3.6	3.0	2.0	1.6	0.90
3.40V	A	16.2	11.1	7.7	4.9	2.53	1.51	1.13	0.90	0.77	0.51	0.42	0.226
	W	60	41	28	18	9.8	5.8	4.3	3.5	3.0	2.0	1.6	0.87
3.50V	A	15.3	10.5	7.2	4.8	2.45	1.48	1.11	0.86	0.77	0.51	0.41	0.225
	W	58	40	27	18	9.5	5.7	4.3	3.3	3.0	2.0	1.6	0.87
3.60V	A	14.3	10.0	6.8	4.6	2.37	1.44	1.09	0.84	0.73	0.49	0.40	0.223
	W	55	39	26	18	9.2	5.6	4.2	3.3	2.8	1.9	1.6	0.85
3.70V	A	13.5	9.5	6.3	4.5	2.29	1.41	1.03	0.82	0.70	0.48	0.39	0.212
	W	54	37	25	18	9.1	5.6	4.1	3.3	2.8	1.8	1.5	0.84