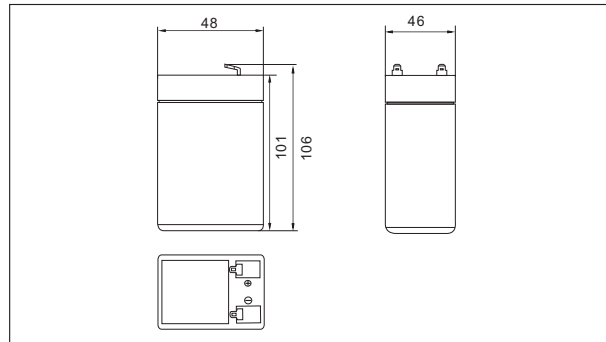


NP4-4(4V4.0AH)



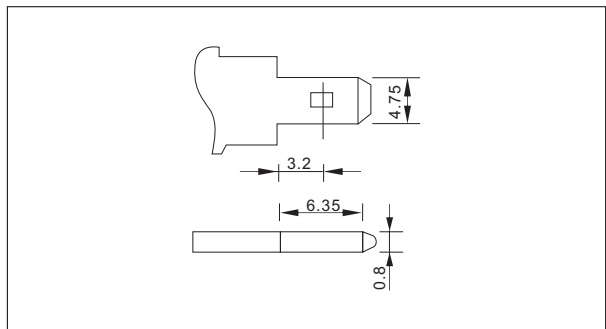
Outer dimensions (mm)



Specifications

Nominal Voltage		4 V
Rated capacity (20 hour rate)		4.0 Ah
Dimensions	Total Height	106mm(4.17inch)
	Height	101 mm(3.98inch)
	Length	47 mm(1.85inch)
	Width	47 mm(1.85inch)
Weight Approx		0.46Kg(1.01lbs)

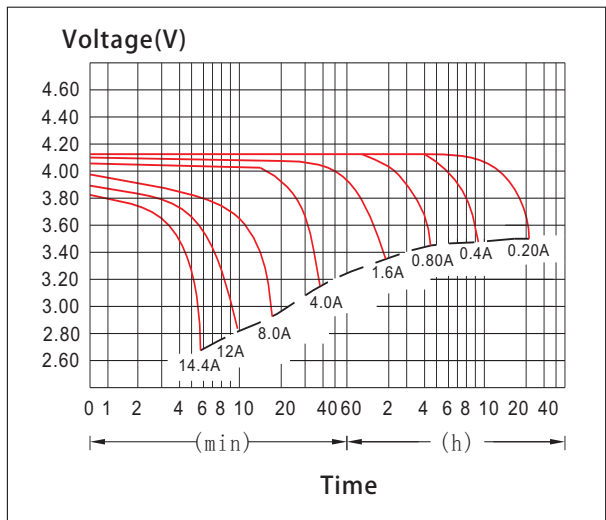
Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate(0.20A)	4.00AH
	10 hour rate(0.37A)	3.70AH
	5 hour rate(0.69A)	3.45AH
	1 hour rate(2.40A)	2.40AH
	1.5 hour discharge to 3.50 V	1.6 A
Internal Resistance	Full charged Battery at 25°C(77°F)	15mΩ
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 1.6A Voltage 4.80-5.00 V Time 14~16h
	Float	Voltage 4.50-4.60 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	14.4	9.4	7.00	4.60	2.40	1.40	1.03	0.83	0.70	0.46	0.21
	W	49.8	33.8	25.0	16.5	8.64	5.12	3.82	3.10	2.66	1.77	0.80
3.40V	A	13.2	9.0	6.43	4.37	2.25	1.34	1.00	0.80	0.69	0.46	0.20
	W	47.3	33.7	24.0	16.3	8.50	5.16	3.86	3.10	2.67	1.77	0.79
3.50V	A	12.0	8.44	6.00	4.23	2.18	1.32	0.98	0.76	0.69	0.45	0.20
	W	44.0	32.0	22.8	16.2	8.41	5.09	3.82	2.96	2.68	1.76	0.79
3.60V	A	11.5	8.07	5.60	4.12	2.11	1.28	0.97	0.75	0.65	0.44	0.20
	W	43.2	31.0	21.5	15.9	8.17	5.01	3.80	2.94	2.56	1.73	0.77
3.70V	A	10.7	7.60	5.20	4.00	2.03	1.25	0.92	0.73	0.62	0.43	0.19
	W	40.4	29.3	20.2	15.6	7.97	4.93	3.63	2.91	2.47	1.70	0.77

NOTE: FOR REFERENCE ONLY