

PT 4.5-6

6Volt 4.5Ah

Specifications

Nominal Voltage(V) 6V

Nominal Capacity

20 hour rate	(0.36A to 10.50V)	4.5Ah
10 hour rate	(0.684A to 10.50V)	4.128Ah
5 hour rate	(1.224A to 10.20V)	3.813Ah
1 C	(7.2A to 9.60V)	4.43Ah
3 C	(21.6A to 9.60V)	2.8Ah

Weight Approx. 2.05kg(4.51Lbs.)

Internal Resistance (at 1KHz) Approx. 22 mΩ

Maximum Discharge Current for

5 seconds: 45A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.30 to 7.4V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 1.35A

Standby use:

Float Charging Voltage 6.85 to 6.95V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C (5°F) to 40°C (104°F)

Discharge -15°C (5°F) to 50°C (122°F)

Storage -15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month 92%

3 month 90%

6 month 80%

Case Material ABS UL94 HB

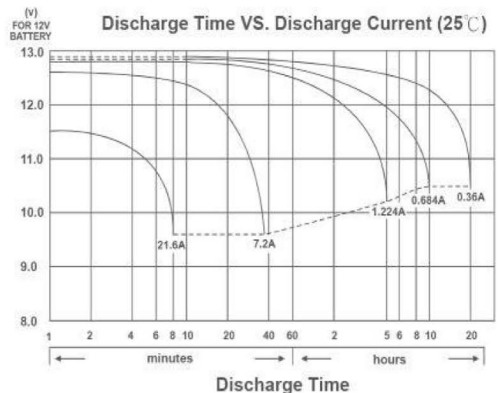
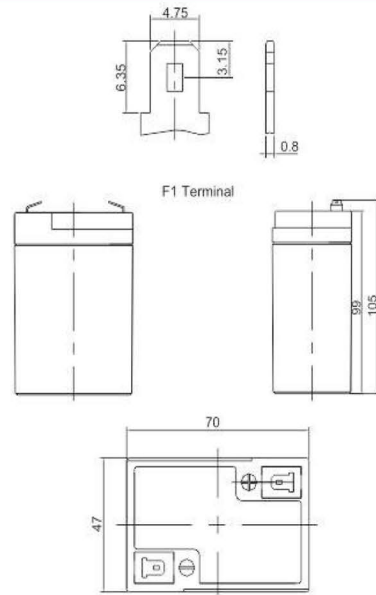
Option: Flammability resistance of (UL94 V-0)

Terminal F1 or F2 (Faston Tab 187 or 250)

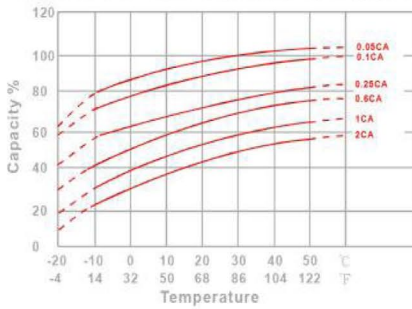


Dimensions

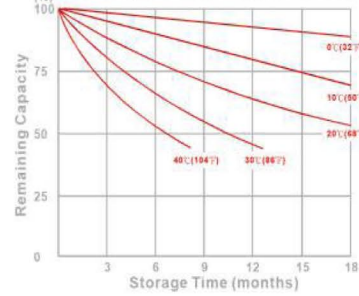
mm(inch)



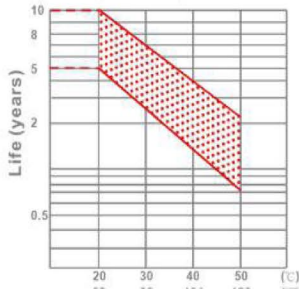
Effect of Temperature on Capacity 25°C(77°F)



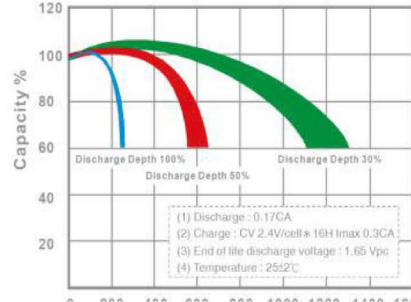
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



Constant Current Discharge Characteristics : A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	17.84	11.64	8.584	4.968	2.870	1.694	1.231	0.980	0.828	0.553	0.450	0.234
1.65V	17.20	11.29	8.359	4.859	2.817	1.669	1.215	0.968	0.818	0.547	0.446	0.232
1.70V	16.36	10.83	8.063	4.714	2.747	1.636	1.193	0.952	0.805	0.540	0.440	0.230
1.75V	15.28	10.25	7.678	4.526	2.654	1.592	1.164	0.930	0.788	0.530	0.433	0.227
1.80V	13.92	9.494	7.183	4.281	2.533	1.535	1.126	0.902	0.766	0.517	0.423	0.222
1.85V	12.25	8.553	6.558	3.968	2.378	1.460	1.076	0.865	0.737	0.500	0.409	0.216

Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	30.71	20.08	15.23	9.16	5.45	3.26	2.39	1.91	1.62	1.10	0.90	0.47
1.65V	30.39	19.99	15.14	9.09	5.40	3.23	2.37	1.90	1.61	1.09	0.89	0.47
1.70V	29.23	19.40	14.74	8.87	5.29	3.18	2.33	1.87	1.59	1.08	0.88	0.46
1.75V	27.79	18.68	14.24	8.60	5.13	3.11	2.29	1.83	1.56	1.06	0.87	0.45
1.80V	25.76	17.61	13.51	8.22	4.92	3.01	2.22	1.78	1.52	1.03	0.85	0.45
1.85V	23.08	16.15	12.51	7.70	4.65	2.88	2.13	1.72	1.47	1.00	0.82	0.44

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.