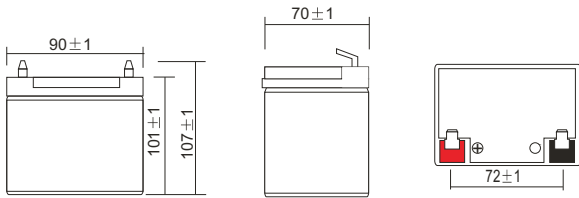
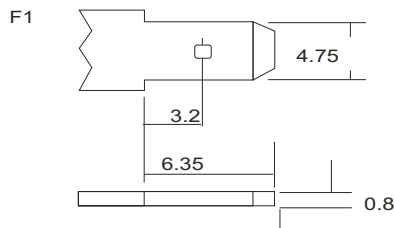




**Dimensions (mm)**



**Standard Terminal (mm)**



**Physical Specification**

Nominal Voltage		12V
Nominal Capacity (20HR)		4.5AH
Dimension	Length	90 ± 1mm
	Width	70 ± 1mm
	Container Height	101 ± 1mm
	Total Height (with Terminal)	107 ± 1mm
Weight		Approx 1.60kg
Standard Terminal		F1

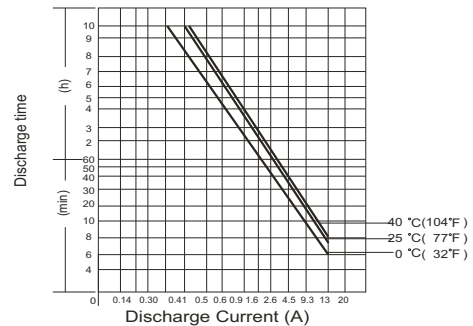
**Electrical Specification**

Rated Capacity	20 hour rate (225mA)	4.5AH	Constant-Voltage	Cycle	Initial Charging Current less than 1.35A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (434mA)	4.3AH			
	5 hour rate (774mA)	3.87AH			
	1 hour rate (2.79A)	2.79AH			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient -20mV/°C
	25°C (77°F)	100%			
	0°C (32°F)	86%			

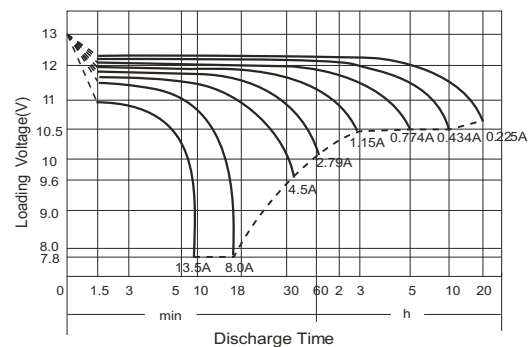
**PS-1242 12V 4.5AH**



**Discharging Current & Discharge Duration Time**



**Discharge Characteristics (25°C, 77°C)**



**Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	17.37	11.8	8.73	5.18	2.93	1.67	1.267	1.018	0.833	0.545	0.452	0.236
1.67V	14.98	10.54	7.92	4.80	2.79	1.60	1.206	0.968	0.793	0.536	0.443	0.234
1.70V	14.28	10.07	7.68	4.65	2.74	1.58	1.179	0.954	0.784	0.532	0.438	0.231
1.75V	12.97	9.24	7.19	4.46	2.65	1.51	1.148	0.929	0.774	0.524	0.434	0.227
1.80V	11.50	8.41	6.59	4.30	2.53	1.46	1.127	0.909	0.745	0.511	0.430	0.225
1.85V	8.57	6.58	5.45	3.64	2.26	1.34	1.047	0.851	0.694	0.486	0.406	0.223

**Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	172.8	120.3	91.7	56.6	33.0	19.0	14.5	11.7	9.63	6.39	5.33	2.79
1.67V	153.6	110.5	84.9	53.1	31.8	18.4	13.9	11.2	9.22	6.30	5.24	2.77
1.70V	147.5	106.1	82.6	51.6	31.2	18.1	13.6	11.1	9.14	6.26	5.19	2.74
1.75V	137.8	99.6	78.5	49.9	30.4	17.5	13.3	10.8	9.03	6.18	5.14	2.69
1.80V	124.8	92.1	72.7	48.4	29.2	16.9	13.1	10.6	8.72	6.09	5.09	2.67
1.85V	94.0	72.9	61.0	41.7	26.3	15.6	12.2	10.0	8.17	5.75	4.82	2.65



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