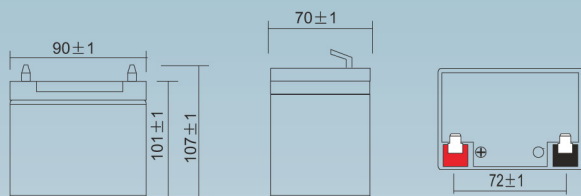
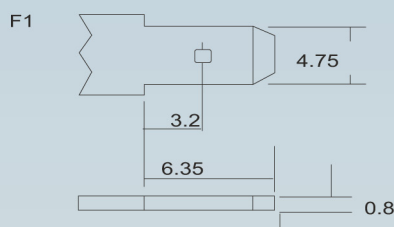


PS Range (VRLA 5yr Life)

Dimensions (mm)



Standard terminal (mm)



Physical Specification

Nominal Voltage		12V
Nominal Capacity		4.5AH
Dimension	Length	90 ± 2 mm
	Width	70 ± 2 mm
	Container Height	101 ± 2 mm
	Total Height (with terminal)	107 ± 2 mm
Weight		Approx 1.59kg
Standard Terminal		F1

PS-1242 12V 4.5AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (225mA) 10hr Rate (430mA) 8hr Rate (524mA) 5hr Rate (774mA) 1hr Rate (2.93A)	4.5AH 4.30AH 4.19AH 3.87AH 2.93AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 1.12A Voltage 14.40V ~ 15.0V at 25°C (77°F)
Capacity Affected by Temperature	40°C (104°F) 25°C (77°F) 0°C (32°F)	103% 100% 86%	Standby	Recommended Charge Current less than 1.12A Voltage 13.5V ~ 13.8V at 25°C (77°F)	

Internal Resistances m0hms

40.0 m0hms

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

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	17.37	11.80	8.73	7.13	5.18	3.60	2.93	1.67	1.267	1.018	0.833	0.707	0.545	0.452					
1.67V	14.98	10.54	7.92	6.55	4.80	3.41	2.79	1.60	1.206	0.968	0.793	0.684	0.536	0.443					
1.70V	14.28	10.07	7.68	6.30	4.65	3.37	2.74	1.58	1.179	0.954	0.784	0.678	0.532	0.438					
1.75V	12.97	9.24	7.19	5.99	4.46	3.24	2.65	1.51	1.148	0.929	0.774	0.664	0.524	0.434	0.227	0.196	0.104	0.071	0.052
1.80V	11.50	8.41	6.59	5.57	4.30	3.12	2.53	1.46	1.127	0.909	0.745	0.646	0.515	0.430	0.225	0.194	0.103	0.071	0.052
1.85V	8.57	6.58	5.45	4.71	3.64	2.68	2.26	1.34	1.047	0.851	0.694	0.603	0.486	0.406	0.223	0.191	0.101	0.069	0.051

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

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	172.8	120.3	91.7	76.7	56.6	40.1	33.0	19.0	14.5	11.7	9.63	8.22	6.39	5.33					
1.67V	153.6	110.5	84.9	71.4	53.1	38.3	31.8	18.4	13.9	11.2	9.22	7.99	6.30	5.24					
1.70V	147.5	106.1	82.6	69.0	51.6	38.0	31.2	18.1	13.6	11.1	9.14	7.93	6.26	5.19					
1.75V	137.8	99.6	78.5	66.2	49.9	36.7	30.4	17.5	13.3	10.8	9.03	7.77	6.18	5.14	2.69	2.36	1.26	0.863	0.633
1.80V	124.8	92.1	72.7	62.1	48.4	35.7	29.2	16.9	13.1	10.6	8.72	7.59	6.09	5.09	2.67	2.35	1.25	0.856	0.627
1.85V	94.0	72.9	61.0	53.3	41.7	31.0	26.3	15.6	12.2	10.0	8.17	7.11	5.75	4.82	2.65	2.32	1.24	0.843	0.617



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