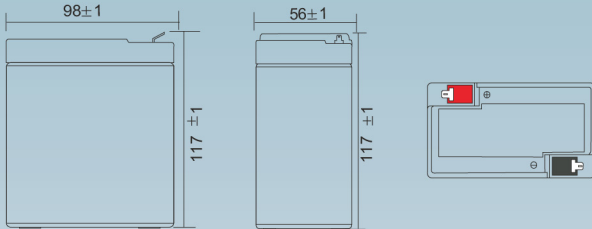
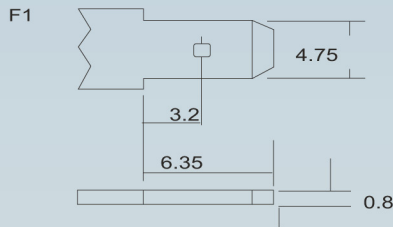


PS Range (VRLA 5yr Life)

Dimensions (mm)



Standard terminal (mm)



Physical Specification

Nominal Voltage		6V
Nominal Capacity		8.0 AH
Dimension	Length	98 ± 2 mm
	Width	56 ± 2 mm
	Container Height	117 ± 2 mm
	Total Height (with terminal)	117 ± 2 mm
Weight		Approx 1.40kg
Standard Terminal		F1

PS-682 6V 8.0AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (400mA)	8.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 2.0A Voltage 7.20V ~ 7.50V at 25°C (77°F)
	10hr Rate (760mA)	7.6AH			
Capacity Affected by Temperature	8hr Rate (0.93mA)	7.44AH	Standby	Recommended Charge Current less than 2.0A Voltage 6.75V ~ 6.90V at 25°C (77°F)	
	5hr Rate (1.38A)	6.9AH			
	1hr Rate (5.21A)	5.21AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 2.0A Voltage 6.75V ~ 6.90V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistances m0hms

15.0 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	30.9	21.0	15.50	12.70	9.20	6.40	5.21	2.97	2.25	1.81	1.48	1.26	0.97	0.80					
1.67V	26.6	18.7	14.10	11.60	8.54	6.06	4.96	2.85	2.14	1.72	1.41	1.22	0.95	0.79					
1.70V	25.4	17.9	13.70	11.20	8.26	5.99	4.86	2.80	2.10	1.70	1.39	1.20	0.95	0.78					
1.75V	23.1	16.4	12.80	10.70	7.94	5.76	4.71	2.69	2.04	1.65	1.38	1.18	0.93	0.77	0.404	0.349	0.184	0.127	0.093
1.80V	20.4	14.9	11.70	9.90	7.64	5.55	4.51	2.60	2.00	1.62	1.32	1.15	0.92	0.76	0.400	0.346	0.182	0.125	0.092
1.85V	15.2	11.7	9.69	8.38	6.48	4.77	4.02	2.38	1.86	1.51	1.23	1.07	0.86	0.72	0.396	0.340	0.180	0.123	0.090

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	153.6	107.0	81.5	68.1	50.3	35.6	29.4	16.9	12.9	10.40	8.56	7.31	5.68	4.74					
1.67V	136.5	98.2	75.5	63.5	47.2	34.1	28.2	16.3	12.4	10.00	8.19	7.10	5.60	4.65					
1.70V	131.1	94.3	73.4	61.3	45.9	33.8	27.8	16.1	12.1	9.84	8.12	7.04	5.56	4.61					
1.75V	122.5	88.5	69.8	58.8	44.3	32.6	27.0	15.5	11.8	9.60	8.03	6.91	5.49	4.57	2.39	2.10	1.11	0.767	0.563
1.80V	111.0	81.9	64.7	55.2	43.0	31.8	25.9	15.0	11.6	9.42	7.75	6.75	5.41	4.53	2.37	2.08	1.11	0.761	0.558
1.85V	83.6	64.8	54.3	47.4	37.0	27.5	23.4	13.9	10.9	8.87	7.26	6.32	5.12	4.28	2.35	2.06	1.09	0.750	0.548



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