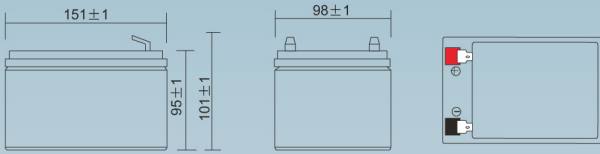
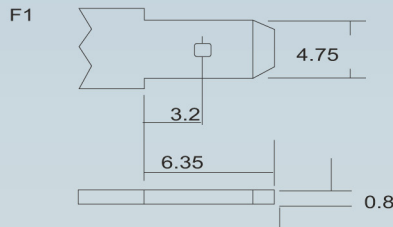


PS Range (VRLA 5yr Life)

Dimensions (mm)



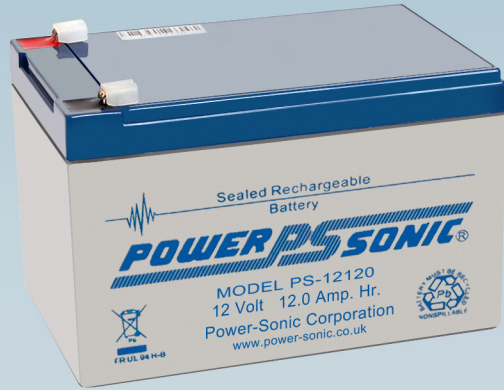
Standard terminal (mm)



Physical Specification

Nominal Voltage		12V
Nominal Capacity		12.0 AH
Dimension	Length	151 ± 2 mm
	Width	98 ± 2 mm
	Container Height	95 ± 2 mm
	Total Height (with terminal)	101 ± 2 mm
Weight		Approx 3.56kg
Standard Terminal		F1

PS-12120 12V 12AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (600mA)	12.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 3.0A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate (1.15A)	11.5AH			
Capacity Affected by Temperature	8hr Rate (1.40A)	11.2AH	Standby	Recommended Charge Current less than 3.0A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	5hr Rate (2.06A)	10.3AH			
	1hr Rate (7.81A)	7.81AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 3.0A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistances m0hms

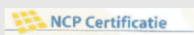
18.0 m0hms

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	46.3	31.5	23.3	19.0	13.80	9.60	7.81	4.46	3.38	2.71	2.22	1.89	1.45	1.21					
1.67V	39.9	28.1	21.1	17.5	12.80	9.09	7.44	4.27	3.22	2.58	2.11	1.82	1.43	1.18					
1.70V	38.1	26.9	20.5	16.8	12.40	8.99	7.29	4.20	3.15	2.54	2.09	1.81	1.42	1.17					
1.75V	34.6	24.6	19.2	16.0	11.90	8.64	7.07	4.04	3.06	2.48	2.06	1.77	1.40	1.16	0.606	0.523	0.276	0.190	0.139
1.80V	30.7	22.4	17.6	14.9	11.50	8.33	6.76	3.90	3.00	2.42	1.99	1.72	1.37	1.15	0.600	0.518	0.274	0.188	0.138
1.85V	22.9	17.5	14.5	12.6	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.30	1.08	0.594	0.510	0.269	0.185	0.135

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	460.7	320.9	244.5	204.4	150.9	106.8	88.1	50.8	38.7	31.3	25.7	21.9	17.0	14.2					
1.67V	409.6	294.6	226.5	190.5	141.6	102.2	84.7	48.9	37.1	29.9	24.6	21.3	16.8	14.0					
1.70V	393.3	282.9	220.3	184.0	137.6	101.5	83.3	48.3	36.4	29.5	24.4	21.1	16.7	13.8					
1.75V	367.4	265.5	209.3	176.4	133.0	97.9	81.0	46.6	35.4	28.8	24.1	20.7	16.5	13.7	7.18	6.29	3.35	2.302	1.689
1.80V	332.9	245.6	194.0	165.6	129.1	95.3	77.8	45.1	34.9	28.3	23.3	20.2	16.2	13.6	7.12	6.25	3.33	2.284	1.673
1.85V	250.7	194.5	162.8	142.2	111.1	82.6	70.1	41.6	32.6	26.6	21.8	19.0	15.4	12.9	7.06	6.18	3.29	2.249	1.645



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