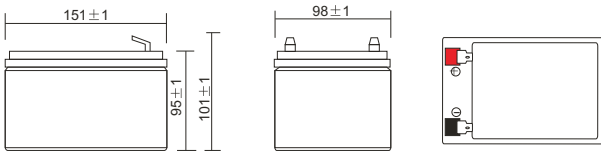


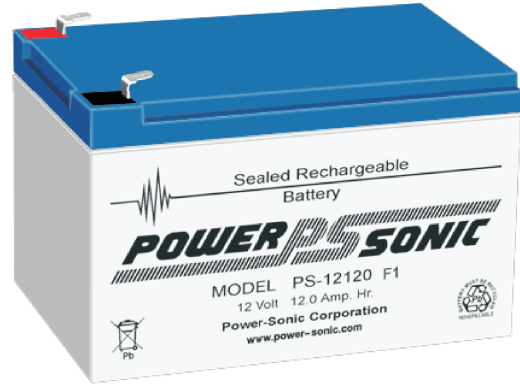
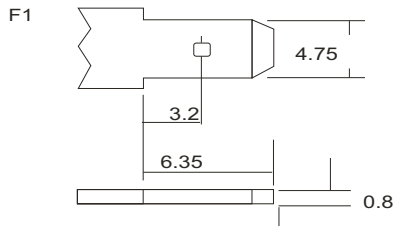


PS-12120 12V 12AH

Dimensions (mm)



Standard Terminal (mm)



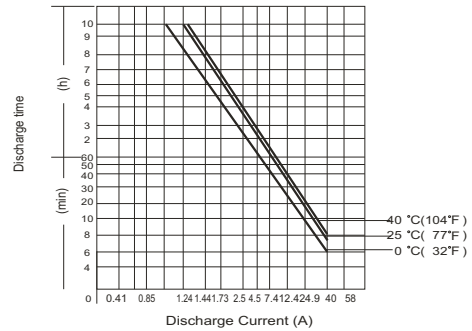
Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		12AH
Dimension	Length	151 ± 1mm
	Width	98 ± 1mm
	Container Height	95 ± 1mm
	Total Height (with Terminal)	101 ± 1mm
Weight		Approx 3.85kg
Standard Terminal		F1

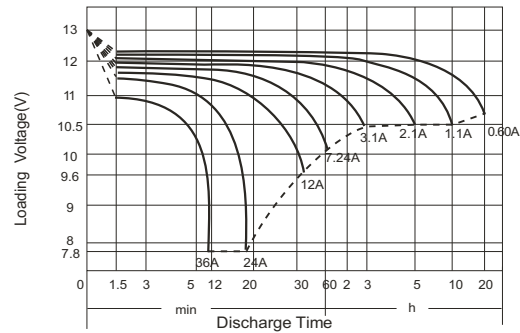
Electrical Specification

Rated Capacity	20 hour rate (0.60A)	12.0AH	Constant-Voltage	Cycle	Initial Charging Current less than 3.6A. Voltage 14.4V- 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (1.11A)	11.1AH			
	5 hour rate (2.1A)	10.5AH			
	1 hour rate (7.07A)	7.24AH			
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%			

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	46.3	31.5	23.3	13.8	7.81	4.46	3.38	2.71	2.22	1.45	1.21	0.629
1.67V	39.9	28.1	21.1	12.8	7.44	4.27	3.22	2.58	2.11	1.43	1.18	0.623
1.70V	38.1	26.9	20.5	12.4	7.29	4.20	3.15	2.54	2.09	1.42	1.17	0.617
1.75V	34.6	24.6	19.2	11.9	7.07	4.04	3.06	2.48	2.06	1.40	1.16	0.606
1.80V	30.7	22.4	17.6	11.5	6.76	3.90	3.00	2.42	1.99	1.37	1.15	0.600
1.85V	22.9	17.5	14.5	9.72	6.03	3.57	2.79	2.27	1.85	1.30	1.08	0.594

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	460.7	320.9	244.5	150.9	88.1	50.8	38.7	31.3	25.7	17.04	14.22	7.43
1.67V	409.6	294.6	226.5	141.6	84.7	48.9	37.1	29.9	24.6	16.80	13.96	7.37
1.70V	393.3	282.9	220.3	137.6	83.3	48.3	36.4	29.5	24.4	16.69	13.83	7.31
1.75V	367.4	265.5	209.3	133.0	81.0	46.6	35.4	28.8	24.1	16.47	13.71	7.18
1.80V	332.9	245.6	194.0	129.1	77.8	45.1	34.9	28.3	23.3	16.23	13.59	7.12
1.85V	250.7	194.5	162.8	111.1	70.1	41.6	32.6	26.6	21.8	15.35	12.85	7.06



Power-Sonic Europe Limited
 3 Buckingham Square, Wickford, Essex, SS11 8YQ
 Tel: +44 (0)1268 560686 Fax: +44 (0)1268 560902
 sales@power-sonic.co.uk
 www.power-sonic.co.uk