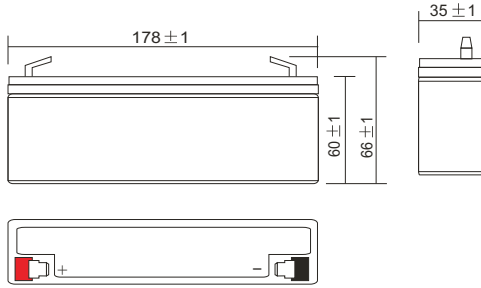




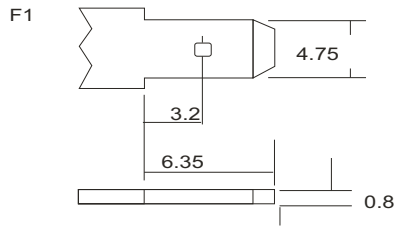
PS-1221 12V 2.1AH



Dimensions (mm)



Standard Terminal (mm)



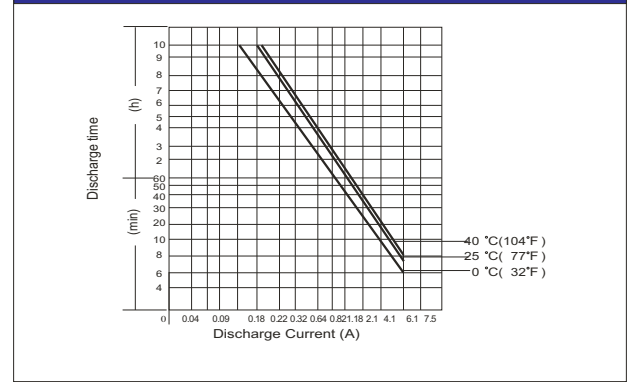
Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		2.1AH
Dimension	Length	178 ± 1mm
	Width	35 ± 1mm
	Container Height	60 ± 1mm
	Total Height (with Terminal)	66 ± 1mm
Weight		Approx 1.0kg
Standard Terminal		F1

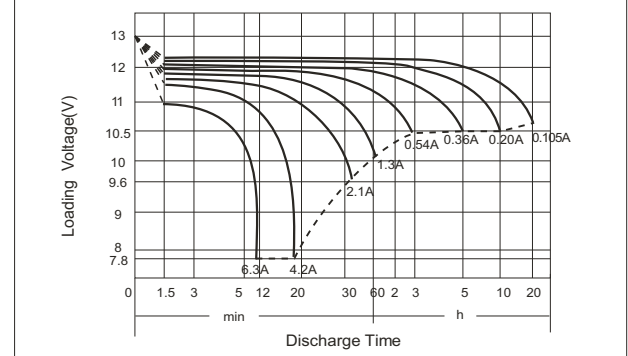
Electrical Specification

Rated Capacity	20 hour rate (105mA)	2.10AH	Constant-Voltage	Cycle	Initial Charging Current less than 0.63A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (230mA)	2.03AH			
	5 hour rate (361mA)	1.81AH			
	1 hour rate (1.30A)	1.30AH			
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	8.11	5.51	4.08	2.42	1.37	0.78	0.59	0.475	0.389	0.254	0.211	0.110
1.67V	6.99	4.92	3.70	2.24	1.30	0.75	0.56	0.452	0.370	0.250	0.207	0.109
1.70V	6.66	4.70	3.58	2.17	1.28	0.74	0.55	0.445	0.366	0.248	0.205	0.108
1.75V	6.05	4.31	3.36	2.08	1.24	0.71	0.54	0.434	0.361	0.245	0.203	0.106
1.80V	5.37	3.92	3.07	2.01	1.18	0.68	0.53	0.424	0.348	0.240	0.201	0.105
1.85V	4.00	3.07	2.54	1.70	1.06	0.62	0.49	0.397	0.324	0.227	0.189	0.104

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	80.6	56.2	42.8	26.4	15.4	8.88	6.78	5.48	4.49	2.98	2.49	1.300
1.67V	71.7	51.6	39.6	24.8	14.8	8.57	6.49	5.23	4.30	2.94	2.44	1.290
1.70V	68.8	49.5	38.6	24.1	14.6	8.45	6.36	5.17	4.26	2.92	2.42	1.279
1.75V	64.3	46.5	36.6	23.3	14.2	8.15	6.20	5.04	4.21	2.88	2.40	1.257
1.80V	58.3	43.0	33.9	22.6	13.6	7.89	6.11	4.95	4.07	2.84	2.38	1.246
1.85V	43.9	34.0	28.5	19.5	12.3	7.28	5.71	4.66	3.81	2.69	2.25	1.236



VdS No G103145



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