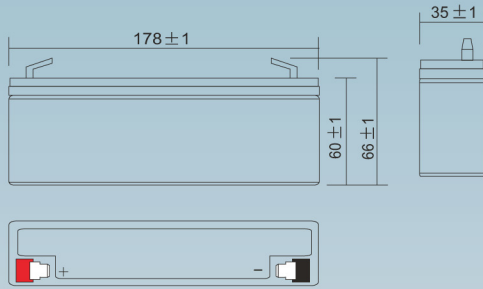
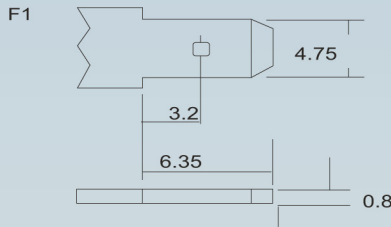


## PS Range (VRLA 5yr Life)

### Dimensions (mm)



### Standard terminal (mm)



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		2.1 AH
Dimension	Length	178 ± 2 mm
	Width	35 ± 2 mm
	Container Height	60 ± 2 mm
	Total Height (with terminal)	66 ± 2 mm
Weight		Approx 0.83kg
Standard Terminal		F1

## PS-1221 12V 2.1AH



### Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (105mA)	2.1AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 0.52A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate (201mA)	2.01AH			
Capacity Affected by Temperature	8hr Rate (245mA)	1.96AH	Standby	Recommended Charge Current less than 0.52A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	5hr Rate (361mA)	1.81AH			
	1hr Rate (1.37A)	1.37AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 0.52A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

### Internal Resistances m0hms

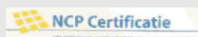
66.0 m0hms

### 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