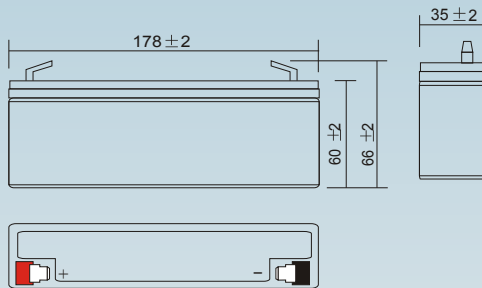


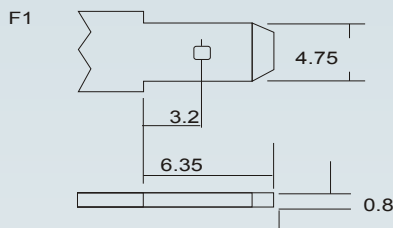
PS Range

(5yr Design Life in Float Service at 20°C)

Dimensions (mm)



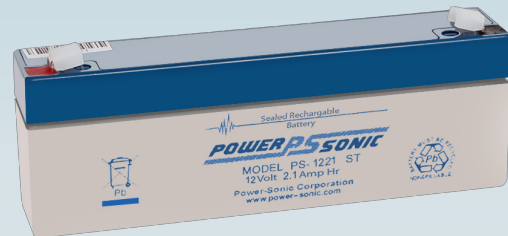
Standard terminal (mm)



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		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 1.0kg
Standard Terminal		F1

PS-1221 12V 2.1AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate(1.80V/cell)	2.10AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 0.52A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	2.01AH			
Capacity Affected by Temperature	8hr Rate(1.75V/cell)	1.96AH	Standby	Recommended Charge Current less than 0.52A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	5hr Rate(1.75V/cell)	1.81AH			
	1hr Rate(1.60V/cell)	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 Resistance mΩ

90.0 mΩ

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/cell) (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	16.12	11.24	8.56	5.28	3.08	1.776	1.356	1.096	0.898	0.596	0.498	0.26
1.67V	14.34	10.32	7.92	4.96	2.96	1.714	1.298	1.046	0.86	0.588	0.488	0.258
1.70V	13.76	9.9	7.72	4.82	2.92	1.69	1.272	1.034	0.852	0.584	0.484	0.2558
1.75V	12.86	9.3	7.32	4.66	2.84	1.63	1.24	1.008	0.842	0.576	0.48	0.2514
1.80V	11.66	8.6	6.78	4.52	2.72	1.578	1.222	0.99	0.814	0.568	0.476	0.2492
1.85V	8.78	6.8	5.7	3.9	2.46	1.456	1.142	0.932	0.762	0.538	0.45	0.2472



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