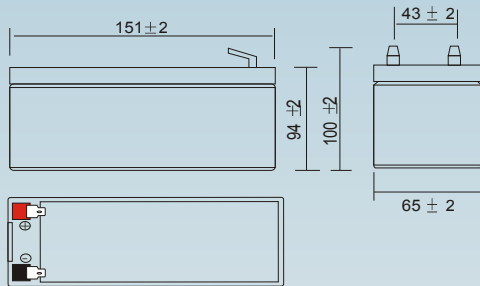


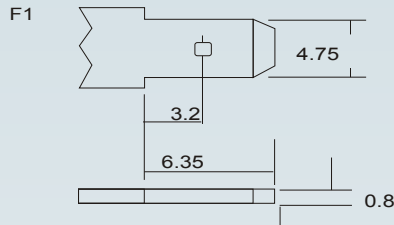
## PS Range

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

### Dimensions (mm)



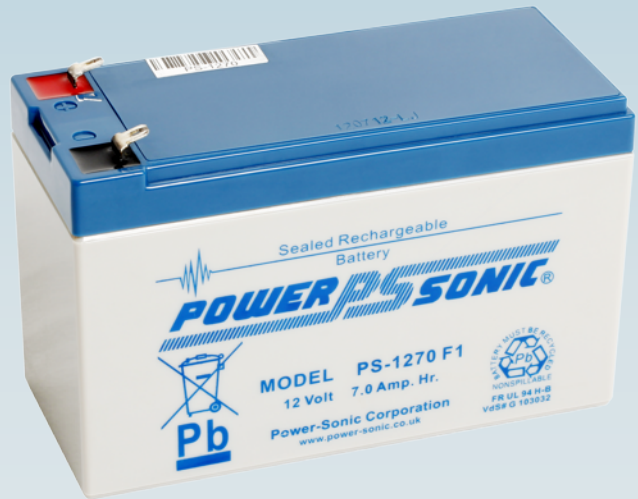
### Standard terminal (mm)



### Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		7.0AH
Dimension	Length	151 ± 2 mm
	Width	65 ± 2 mm
	Container Height	94 ± 2 mm
	Total Height (with terminal)	100 ± 2 mm
Weight		Approx 2.36kg
Standard Terminal		F1

## PS-1270 12V 7.0AH



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

Rated Capacity	20hr Rate(1.80V/cell) 10hr Rate(1.80V/cell) 8hr Rate(1.75V/cell) 5hr Rate(1.75V/cell) 1hr Rate(1.60V/cell)	7.00AH 6.70AH 6.71AH 6.10AH 4.52AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 1.75A Voltage 14.40V ~ 15.0V at 25°C (77°F)
Capacity Affected by Temperature	40°C (104°F) 25°C (77°F) 0°C (32°F)	103% 100% 86%		Standby	Recommended Charge Current less than 1.75A Voltage 13.5V ~ 13.8V at 25°C (77°F)

### Internal Resistance mΩ

18.0 mΩ

### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	13.7	10.5	8.72	7.54	5.83	4.30	3.62	2.14	1.68	1.36	1.11	0.96	0.777	0.649	0.346
1.80V/cell	18.4	13.5	10.5	8.91	6.88	5.00	4.06	2.34	1.80	1.45	1.19	1.03	0.825	0.670	0.350
1.75V/cell	20.8	14.8	11.5	9.59	7.14	5.18	4.24	2.42	1.84	1.49	1.22	1.06	0.839	0.688	0.364
1.70V/cell	22.9	16.1	12.3	10.1	7.43	5.39	4.38	2.48	1.89	1.53	1.25	1.08	0.851	0.701	0.370
1.65V/cell	25.2	17.4	13.1	10.7	7.84	5.53	4.48	2.52	1.97	1.58	1.29	1.11	0.864	0.716	0.375
1.60V/cell	27.8	18.9	14.0	11.4	8.28	5.76	4.52	2.63	2.03	1.63	1.33	1.13	0.872	0.724	0.377

### Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	25.1	19.4	16.3	14.2	11.1	8.26	6.98	4.16	3.27	2.66	2.18	1.90	1.53	1.29	0.706
1.80V/cell	33.3	24.6	19.4	16.6	12.9	9.53	7.78	4.51	3.49	2.83	2.33	2.02	1.62	1.32	0.712
1.75V/cell	36.7	26.6	20.9	17.6	13.3	9.79	8.10	4.66	3.54	2.88	2.38	2.07	1.65	1.36	0.718
1.70V/cell	39.3	28.3	22.0	18.4	13.8	10.1	8.33	4.76	3.64	2.95	2.44	2.11	1.67	1.38	0.731
1.65V/cell	42.8	30.2	23.2	19.4	14.4	10.3	8.46	4.80	3.78	3.04	2.49	2.15	1.69	1.41	0.740
1.60V/cell	46.1	32.1	24.5	20.4	15.1	10.7	8.50	4.99	3.87	3.13	2.57	2.19	1.70	1.42	0.743



Vds No G103032

In the event of further technical development we reserve the right to alter our design, specification and price without notice. E&O.E

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

Rev7 - 04/13