

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

Dimensions (mm)		
Standard Terminal (mm)		
Physical Specification		
Nominal Voltage	6V	
Nominal Capacity (20HR)	7.0 AH	
Dimension	Length	151 ± 2 mm
	Width	34 ± 2 mm
	Container Height	94 ± 2 mm
	Total Height (with terminal)	100 ± 2 mm
Weight	Approx 1.10kg	
Standard Terminal	F1	
Case and Cover Material	ABS (UL94-HB)	

PS-670 6V 7.0AH					
Operating Temperature Range					
Storage (In fully charged condition)	- 20°C to + 60°C				
Charge	- 15°C to + 50°C				
Discharge	- 20°C to + 60°C				
Discharge Characteristics (25°C, 77°F)					
Rated Capacity	20h Rate (1.80V/cell)	7.00AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 1.75A Voltage 7.20V ~ 7.50V at 25°C (77°F)
	10h Rate (1.80V/cell)	6.51AH			
	5h Rate (1.75V/cell)	5.95AH			
	3h Rate (1.75V/cell)	5.37AH			
Capacity Affected by Temperature	1h Rate (1.60V/cell)	4.40AH	Standby	Recommended Charge Current less than 1.75A Voltage 6.75V ~ 6.90V at 25°C (77°F)	
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			
Internal Resistance mΩ					
15.0 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	13.3	10.2	8.48	7.33	5.67	4.18	3.52	2.08	1.63	1.32	1.08	0.94	0.756	0.631	0.347
1.80V/cell	17.9	13.1	10.2	8.67	6.69	4.86	3.94	2.27	1.75	1.41	1.16	1.01	0.802	0.651	0.350
1.75V/cell	20.2	14.4	11.2	9.32	6.94	5.04	4.13	2.36	1.79	1.45	1.19	1.03	0.816	0.669	0.354
1.70V/cell	22.2	15.7	11.9	9.80	7.23	5.24	4.26	2.42	1.83	1.48	1.22	1.05	0.827	0.682	0.360
1.65V/cell	24.5	16.9	12.7	10.4	7.63	5.37	4.35	2.45	1.91	1.54	1.25	1.08	0.840	0.696	0.365
1.60V/cell	27.0	18.4	13.6	11.1	8.05	5.60	4.40	2.56	1.97	1.58	1.30	1.10	0.848	0.704	0.367
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	24.4	18.9	15.8	13.8	10.8	8.03	6.79	4.04	3.18	2.59	2.12	1.84	1.492	1.250	0.686
1.80V/cell	32.4	23.9	18.9	16.1	12.6	9.26	7.57	4.38	3.40	2.75	2.26	1.97	1.578	1.286	0.692
1.75V/cell	35.7	25.8	20.3	17.2	12.9	9.52	7.88	4.53	3.45	2.80	2.31	2.02	1.602	1.319	0.698
1.70V/cell	38.2	27.5	21.4	17.9	13.4	9.86	8.10	4.63	3.54	2.87	2.37	2.05	1.622	1.345	0.710
1.65V/cell	41.6	29.4	22.6	18.9	14.0	10.0	8.23	4.67	3.67	2.96	2.43	2.09	1.644	1.370	0.719
1.60V/cell	44.8	31.2	23.8	19.9	14.7	10.4	8.26	4.85	3.76	3.04	2.50	2.13	1.656	1.383	0.722