

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

Dimensions (mm)		
Standard Terminal (mm)		
Physical Specification		
Nominal Voltage	6V	
Nominal Capacity (20HR)	1.0 AH	
Dimension	Length	51 ± 2 mm
	Width	42 ± 2 mm
	Container Height	51 ± 2 mm
	Total Height (with terminal)	57 ± 2 mm
Weight	Approx 0.25kg	
Standard Terminal	F1	
Case and Cover Material	ABS (UL94-HB)	

PS-610 6V 1.0AH					
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)	1.00AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 0.25A Voltage 7.20V ~ 7.50V at 25°C (77°F)
	10h Rate (1.80V/cell)	0.93AH			
	5h Rate (1.75V/cell)	0.84AH			
	3h Rate (1.75V/cell)	0.73AH			
Capacity Affected by Temperature	1h Rate (1.60V/cell)	0.6AH	Standby	Recommended Charge Current less than 0.25A 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		75.0 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	1.92	1.34	1.10	0.957	0.768	0.591	0.483	0.295	0.225	0.185	0.157	0.136	0.108	0.090	0.050
1.80V/cell	2.36	1.60	1.28	1.08	0.850	0.644	0.520	0.314	0.236	0.194	0.164	0.142	0.112	0.093	0.050
1.75V/cell	2.80	1.81	1.41	1.18	0.908	0.684	0.547	0.327	0.245	0.200	0.168	0.145	0.115	0.095	0.051
1.70V/cell	3.17	1.99	1.53	1.27	0.954	0.711	0.570	0.341	0.253	0.205	0.172	0.149	0.117	0.096	0.051
1.65V/cell	3.50	2.14	1.62	1.33	0.994	0.739	0.594	0.351	0.259	0.210	0.176	0.152	0.119	0.098	0.052
1.60V/cell	3.67	2.23	1.68	1.37	1.02	0.755	0.607	0.362	0.265	0.215	0.180	0.155	0.121	0.099	0.052
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	3.62	2.55	2.12	1.85	1.50	1.16	0.952	0.584	0.447	0.369	0.314	0.272	0.217	0.181	0.100
1.80V/cell	4.40	3.01	2.44	2.08	1.65	1.25	1.02	0.617	0.467	0.385	0.325	0.283	0.224	0.186	0.101
1.75V/cell	5.15	3.37	2.67	2.25	1.75	1.33	1.07	0.640	0.481	0.395	0.332	0.288	0.229	0.189	0.101
1.70V/cell	5.78	3.68	2.86	2.40	1.82	1.37	1.10	0.663	0.494	0.402	0.338	0.293	0.231	0.191	0.102
1.65V/cell	6.28	3.91	2.99	2.49	1.88	1.41	1.14	0.678	0.503	0.409	0.344	0.297	0.233	0.192	0.103
1.60V/cell	6.49	4.02	3.08	2.54	1.92	1.43	1.16	0.695	0.512	0.416	0.349	0.302	0.237	0.195	0.103