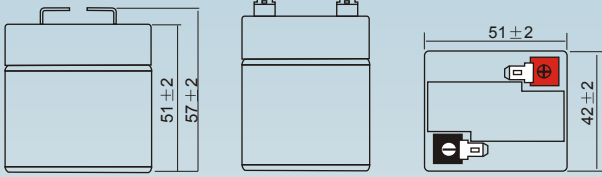


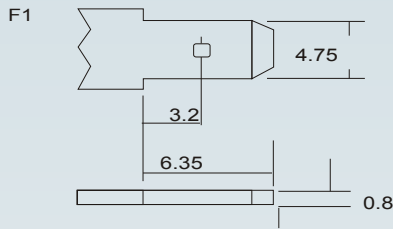
PS Range

(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 0.27kg
Standard Terminal		F1

PS-610 6V 1.0AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hRate(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)
	10hRate(1.80V/cell)	0.93AH			
Capacity Affected by Temperature	5hRate(1.75V/cell)	0.85AH	Standby	Recommended Charge Current less than 0.25A Voltage 6.75V ~ 6.90V at 25°C (77°F)	
	3hRate(1.75V/cell)	0.77AH			
	1hRate(1.60V/cell)	0.63AH			
	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	1.90	1.46	1.21	1.05	0.81	0.597	0.503	0.297	0.233	0.189	0.154	0.134	0.108	0.090	0.0495
1.80V/cell	2.56	1.87	1.46	1.24	0.96	0.694	0.563	0.325	0.250	0.202	0.166	0.144	0.115	0.093	0.0500
1.75V/cell	2.88	2.05	1.60	1.33	0.99	0.720	0.589	0.337	0.255	0.207	0.170	0.148	0.117	0.096	0.0505
1.70V/cell	3.17	2.24	1.71	1.40	1.03	0.749	0.608	0.345	0.262	0.212	0.174	0.151	0.118	0.097	0.0514
1.65V/cell	3.50	2.42	1.81	1.49	1.09	0.768	0.622	0.350	0.273	0.219	0.179	0.154	0.120	0.099	0.0521
1.60V/cell	3.86	2.62	1.94	1.58	1.15	0.800	0.628	0.365	0.282	0.226	0.185	0.157	0.121	0.101	0.0524

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	3.48	2.70	2.26	1.97	1.54	1.15	0.97	0.578	0.454	0.370	0.303	0.263	0.213	0.179	0.0981
1.80V/cell	4.62	3.41	2.69	2.30	1.79	1.32	1.08	0.626	0.485	0.393	0.323	0.281	0.225	0.184	0.0989
1.75V/cell	5.10	3.69	2.91	2.45	1.85	1.36	1.13	0.647	0.492	0.400	0.331	0.288	0.229	0.188	0.0998
1.70V/cell	5.46	3.93	3.06	2.56	1.91	1.41	1.16	0.662	0.505	0.410	0.338	0.294	0.232	0.192	0.1015
1.65V/cell	5.94	4.20	3.23	2.69	2.00	1.43	1.18	0.667	0.524	0.423	0.347	0.299	0.235	0.196	0.1027
1.60V/cell	6.40	4.46	3.40	2.84	2.10	1.48	1.18	0.693	0.538	0.435	0.357	0.304	0.237	0.198	0.1032



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