

PS Range

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

Dimensions (mm)		
Standard terminal (mm)		
Terminal Unit: mm [inches]		
Positive Terminal Negative Terminal		
Physical Specification		
Nominal Voltage	12V	
Nominal Capacity (20HR)	2.3 AH	
Dimension	Length	182 ± 2 mm
	Width	24 ± 2 mm
	Container Height	61 ± 2 mm
	Total Height (with terminal)	61 ± 2 mm
Weight	Approx 0.78kg	
Standard Terminal	See diagram	

PS-1223V					
Discharge Characteristics (25°C, 77°F)					
Rated Capacity	20hr Rate(1.80V/cell)	2.30AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 0.575A Voltage 14.4V~15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	2.14AH			
Capacity Affected by Temperature	5hr Rate(1.75V/cell)	1.95AH	Standby	Recommended Charge Current less than 0.575A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	3hr Rate(1.75V/cell)	1.79AH			
	1hr Rate(1.60V/cell)	1.44AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 0.575A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			
Internal Resistance mΩ					
Approx 65 mΩ					

Constant Current Discharge Characteristics Unit: Amperes (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	4.38	3.36	2.79	2.41	1.86	1.37	1.16	0.68	0.54	0.44	0.355	0.308	0.248	0.207	0.114
1.80V/cell	5.88	4.30	3.37	2.85	2.20	1.60	1.30	0.75	0.58	0.46	0.381	0.330	0.263	0.214	0.115
1.75V/cell	6.63	4.72	3.68	3.06	2.28	1.66	1.36	0.77	0.59	0.47	0.391	0.339	0.268	0.220	0.116
1.70V/cell	7.30	5.15	3.93	3.22	2.37	1.72	1.40	0.79	0.60	0.49	0.401	0.346	0.272	0.224	0.118
1.65V/cell	8.05	5.55	4.17	3.42	2.51	1.77	1.43	0.81	0.63	0.50	0.412	0.354	0.276	0.229	0.120
1.60V/cell	8.88	6.03	4.46	3.64	2.65	1.84	1.44	0.84	0.65	0.52	0.426	0.362	0.279	0.231	0.121
Constant Power Discharge Characteristics Unit: (Watts/cell) (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	8.01	6.21	5.20	4.54	3.55	2.64	2.23	1.33	1.04	0.85	0.696	0.605	0.490	0.411	0.226
1.80V/cell	10.6	7.85	6.20	5.29	4.12	3.04	2.49	1.44	1.12	0.90	0.743	0.647	0.518	0.423	0.227
1.75V/cell	11.7	8.48	6.69	5.64	4.25	3.13	2.59	1.49	1.13	0.92	0.760	0.662	0.526	0.433	0.229
1.70V/cell	12.6	9.04	7.04	5.88	4.40	3.24	2.66	1.52	1.16	0.94	0.778	0.675	0.533	0.442	0.233
1.65V/cell	13.7	9.66	7.43	6.20	4.60	3.29	2.70	1.53	1.21	0.97	0.797	0.688	0.540	0.450	0.236
1.60V/cell	14.7	10.25	7.81	6.53	4.82	3.41	2.72	1.59	1.24	1.00	0.820	0.700	0.544	0.454	0.237



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