

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

Dimensions (mm)

Standard Terminal (mm)

Physical Specification

Nominal Voltage	8V	
Nominal Capacity (20HR)	3.2 AH	
Dimension	Length	134 ± 2 mm
	Width	36.5 ± 2 mm
	Container Height	63 ± 2 mm
	Total Height (with terminal)	69 ± 2 mm
Weight	Approx 0.75kg	
Standard Terminal	F1	

PS-832 8V 3.2AH

Discharge Characteristics (25°C, 77°F)

Rated Capacity	20h Rate (1.80V/cell)	3.20AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 0.96A Voltage 9.6V ~ 10.0V at 25°C (77°F)
	10h Rate (1.80V/cell)	2.98AH			
	5h Rate (1.75V/cell)	2.69AH			
	3h Rate (1.75V/cell)	2.35AH			
	1h Rate (1.60V/cell)	1.94AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Standby	Recommended Charge Current less than 0.96A Voltage 9.6V ~ 10.0V at 25°C (77°F)	
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

38.0 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	6.14	4.28	3.53	3.06	2.46	1.89	1.55	0.944	0.719	0.591	0.502	0.435	0.345	0.287	0.158
1.80V/cell	7.55	5.11	4.10	3.47	2.72	2.06	1.66	1.00	0.756	0.622	0.524	0.454	0.358	0.298	0.160
1.75V/cell	8.95	5.78	4.52	3.77	2.91	2.19	1.75	1.05	0.783	0.641	0.538	0.465	0.368	0.303	0.162
1.70V/cell	10.2	6.37	4.89	4.05	3.05	2.27	1.82	1.09	0.809	0.657	0.551	0.476	0.374	0.308	0.164
1.65V/cell	11.2	6.85	5.17	4.25	3.18	2.36	1.90	1.12	0.829	0.670	0.563	0.485	0.380	0.313	0.167
1.60V/cell	11.8	7.14	5.39	4.39	3.27	2.41	1.94	1.16	0.849	0.687	0.575	0.495	0.388	0.318	0.168

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	11.6	8.16	6.79	5.93	4.79	3.71	3.04	1.87	1.43	1.18	1.00	0.87	0.70	0.58	0.320
1.80V/cell	14.1	9.64	7.81	6.66	5.27	4.01	3.26	1.98	1.49	1.23	1.04	0.90	0.72	0.60	0.322
1.75V/cell	16.5	10.8	8.53	7.20	5.59	4.24	3.41	2.05	1.54	1.26	1.06	0.92	0.73	0.60	0.322
1.70V/cell	18.5	11.8	9.15	7.67	5.83	4.38	3.53	2.12	1.58	1.29	1.08	0.94	0.74	0.61	0.326
1.65V/cell	20.1	12.5	9.56	7.97	6.03	4.52	3.66	2.17	1.61	1.31	1.10	0.95	0.75	0.62	0.329
1.60V/cell	20.8	12.9	9.86	8.13	6.13	4.58	3.71	2.22	1.64	1.33	1.12	0.97	0.76	0.62	0.330