

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

**Dimensions (mm)**

**Standard Terminal (mm)**

**Physical Specification**

Nominal Voltage	4V	
Nominal Capacity (20HR)	3.5 AH	
Dimension	Length	90 ± 1 mm
	Width	34 ± 1 mm
	Container Height	59 ± 1 mm
	Total Height (with terminal)	65 ± 1 mm
Weight	Approx 0.45kg	
Standard Terminal	F1	

**PS-435ST 4V 3.5AH**

IMAGE COMING SOON

**Discharge Characteristics (25°C, 77°F)**

Rated Capacity	20h Rate (1.80V/cell)	3.50AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 1.05A Voltage 4.80V ~ 5.0V at 25°C (77°F)
	10h Rate (1.80V/cell)	3.26AH			
	5h Rate (1.75V/cell)	3.00AH			
	3h Rate (1.75V/cell)	2.67AH			
	1h Rate (1.60V/cell)	2.20AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Standby	Recommended Charge Current less than 1.05A Voltage 4.5V ~ 4.6V at 25°C (77°F)	
	25°C (77°F)	100%			
	0°C (32°F)	86%			

**Internal Resistance mΩ**

14.0 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	6.67	5.12	4.24	3.67	2.83	2.09	1.76	1.04	0.81	0.66	0.54	0.47	0.378	0.316	0.173
1.80V/cell	8.90	6.54	5.12	4.33	3.34	2.43	1.97	1.14	0.88	0.71	0.58	0.50	0.401	0.326	0.175
1.75V/cell	10.1	7.19	5.6	4.66	3.47	2.52	2.06	1.18	0.89	0.72	0.60	0.52	0.408	0.334	0.177
1.70V/cell	11.1	7.83	5.97	4.9	3.61	2.62	2.13	1.21	0.92	0.74	0.61	0.53	0.413	0.341	0.180
1.65V/cell	12.2	8.45	6.35	5.2	3.81	2.69	2.18	1.23	0.96	0.77	0.63	0.54	0.42	0.348	0.182
1.60V/cell	13.5	9.20	6.79	5.54	4.03	2.80	2.20	1.28	0.99	0.79	0.65	0.55	0.424	0.352	0.183

**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	12.2	9.50	7.91	6.91	5.40	4.01	3.40	2.02	1.59	1.29	1.06	0.92	0.746	0.625	0.343
1.80V/cell	16.2	11.9	9.40	8.05	6.28	4.63	3.78	2.19	1.70	1.37	1.13	0.98	0.789	0.643	0.346
1.75V/cell	17.9	12.9	10.2	8.58	6.46	4.76	3.94	2.26	1.72	1.40	1.16	1.01	0.801	0.660	0.349
1.70V/cell	19.1	13.8	10.7	8.90	6.69	4.93	4.05	2.32	1.77	1.44	1.18	1.03	0.811	0.672	0.355
1.65V/cell	20.8	14.7	11.3	9.40	7.00	5.01	4.11	2.34	1.84	1.48	1.21	1.05	0.822	0.685	0.360
1.60V/cell	22.4	15.6	11.9	9.90	7.34	5.19	4.13	2.42	1.88	1.52	1.25	1.07	0.828	0.691	0.361