

## PS RANGE (10yr Design Life in Float Service at 20°C)

**Dimensions (mm)**

**Standard Terminal (mm)**

T6 Threaded Insert 6mm Stud

Torque 3.9 ~5.4 Nm

**Physical Specification**

Nominal Voltage	12V	
Nominal Capacity (20HR)	65.0 AH	
Dimension	Length	348 ± 2 mm
	Width	167 ± 2 mm
	Container Height	178 ± 2 mm
	Total Height (with terminal)	178 ± 2 mm
Weight	Approx 21.2kg	
Standard Terminal	T6	
Case and Cover Material	ABS (UL94-HB)	

### PS-12650 12V 65AH

**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	Discharge Rate			Constant Voltage Charge	Cycle
	20h Rate (1.80V/cell)	10h Rate (1.80V/cell)	5h Rate (1.75V/cell)		
Capacity Affected by Temperature	69.6AH	65.0AH	56.5AH	Standby	Initial Charging Current Less than 16.25A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	50.7AH	50.7AH	40.3AH		
	103%	100%	86%		
	40°C (104°F)	25°C (77°F)	0°C (32°F)		

**Internal Resistance mΩ**

7.3 mΩ

**Constant Current Discharge (Amperes) at 25°C (77°F)**

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	76.1	64.0	56.7	47.7	36.3	31.1	20.1	15.1	12.4	10.4	9.13	7.33	6.30	3.36
1.80V/cell	87.0	71.8	62.7	51.1	39.2	32.8	21.6	16.3	13.2	11.1	9.68	7.71	6.50	3.48
1.75V/cell	98.8	80.9	69.3	55.5	42.7	35.8	22.5	16.9	13.6	11.3	10.00	7.97	6.67	3.57
1.70V/cell	111.6	89.8	76.5	60.6	46.0	37.8	23.7	17.8	14.2	12.0	10.50	8.30	6.93	3.66
1.65V/cell	119.9	96.2	81.4	64.0	48.7	39.1	24.6	18.5	14.8	12.3	10.80	8.59	7.13	3.77
1.60V/cell	131.9	105.3	88.4	68.3	50.6	40.3	25.2	19.0	15.1	12.6	11.10	8.73	7.27	3.83

**Constant Power Discharge (Watts/cell) at 25°C (77°F)**

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	142.0	120.6	108.1	90.6	70.5	60.6	39.5	29.8	24.5	20.6	18.1	14.6	12.6	6.72
1.80V/cell	160.6	133.7	117.8	97.0	75.5	63.6	42.1	31.8	25.9	21.8	19.1	15.3	13.0	6.95
1.75V/cell	179.5	148.8	128.9	104.5	81.6	69.0	43.7	33.0	26.7	22.2	19.7	15.8	13.3	7.12
1.70V/cell	198.2	162.8	141.3	113.5	87.5	72.8	45.9	34.6	27.8	23.5	20.6	16.5	13.8	7.29
1.65V/cell	210.9	173.0	149.2	118.8	91.8	74.7	47.3	35.9	28.8	24.1	21.2	17.0	14.2	7.51
1.60V/cell	226.8	186.4	160.3	125.8	94.9	76.6	48.3	36.6	29.4	24.6	21.6	17.2	14.4	7.62