

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)	75.0 AH	
Dimension	Length	259 ± 2 mm
	Width	168 ± 2 mm
	Container Height	208 ± 2 mm
	Total Height (with terminal)	214 ± 2 mm
Weight	Approx 23.0kg	
Standard Terminal	T6	
Case and Cover Material	ABS (UL94-HB)	

PS-12750 12V 75AH

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	Constant Voltage Charge			Cycle
	20h Rate (1.80V/cell)	10h Rate (1.80V/cell)	5h Rate (1.75V/cell)	
Capacity Affected by Temperature	80.20AH	75.00AH	65.50AH	Initial Charging Current Less than 20.05A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	58.50AH	58.50AH	46.50AH	
	103%	100%	86%	
	Standby	Recommended Charge Current less than 20.05A Voltage 13.5V ~ 13.8V at 25°C (77°F)		

Internal Resistance mΩ

6.6 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	87.8	73.8	65.5	54.3	41.9	35.9	23.2	17.5	14.3	12.0	10.5	8.46	7.27	3.88
1.80V/cell	100.4	82.9	72.4	59.0	45.2	37.8	25.0	18.8	15.2	12.8	11.2	8.90	7.50	4.01
1.75V/cell	114.0	93.4	80.0	64.1	49.3	41.3	26.0	19.5	15.7	13.1	11.5	9.20	7.70	4.11
1.70V/cell	128.8	103.6	88.3	70.0	53.1	43.7	27.3	20.5	16.4	13.8	12.1	9.58	8.00	4.22
1.65V/cell	138.3	111.0	93.9	73.8	56.2	45.2	28.3	21.4	17.1	14.2	12.5	9.91	8.22	4.35
1.60V/cell	152.2	121.5	102.1	78.8	58.4	46.5	29.1	21.9	17.5	14.6	12.8	10.1	8.39	4.42

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	163.8	139.2	124.7	104.6	81.4	69.9	45.5	34.4	28.2	23.8	20.9	16.9	14.5	7.76
1.80V/cell	185.3	154.2	135.9	111.9	87.1	73.4	48.6	36.7	29.9	25.1	22.1	17.7	15.0	8.02
1.75V/cell	207.1	171.7	148.8	120.6	94.1	79.6	50.4	38.0	30.8	25.6	22.7	18.2	15.4	8.21
1.70V/cell	228.7	187.9	163.0	130.9	101.0	84.0	53.0	40.0	32.1	27.1	23.8	19.0	15.9	8.41
1.65V/cell	243.3	199.6	172.1	137.0	105.9	86.2	54.6	41.4	33.2	27.8	24.5	19.6	16.4	8.67
1.60V/cell	261.7	215.1	185.0	145.2	109.5	88.4	55.7	42.3	33.9	28.4	25.0	19.9	16.7	8.79