

PS Range

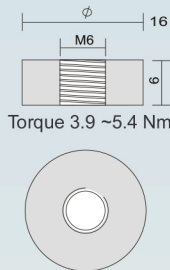
(5yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm Stud



Physical Specification

Nominal Voltage		12V
Nominal Capacity		55.0 AH
Dimension	Length	228 ± 2 mm
	Width	137 ± 2 mm
	Container Height	210 ± 2 mm
	Total Height (with terminal)	216 ± 2 mm
Weight		Approx 17.7kg
Standard Terminal		T6

PS-12550 12V 55AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hRate(1.80V/Cell)	58.80AH	Cycle	Initial Charging Current Less than 14.7A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hRate(1.80V/Cell)	55.00AH		
Capacity Affected by Temperature	5hRate(1.75V/Cell)	47.80AH	Constant Voltage Charge	Standby Recommended Charge Current less than 14.7A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	3hRate(1.75V/Cell)	42.90AH		
	1hRate(1.60V/Cell)	34.10AH		
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby Recommended Charge Current less than 14.7A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%		
	0°C (32°F)	86%		

Internal Resistance mΩ

Approx 7.5mΩ

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	64.4	54.1	48.0	39.8	30.7	26.3	17.0	12.8	10.5	8.82	7.73	6.20	5.33	2.84
1.80V/cell	73.6	60.8	53.1	43.3	33.1	27.8	18.3	13.8	11.1	9.35	8.19	6.52	5.50	2.94
1.75V/cell	83.6	68.5	58.7	47.0	36.2	30.3	19.0	14.3	11.5	9.57	8.44	6.74	5.65	3.02
1.70V/cell	94.5	76.0	64.8	51.3	38.9	32.0	20.0	15.1	12.0	10.1	8.85	7.03	5.86	3.09
1.65V/cell	101.4	81.4	68.9	54.1	41.2	33.1	20.8	15.7	12.5	10.4	9.16	7.26	6.03	3.19
1.60V/cell	111.6	89.1	74.8	57.8	42.8	34.1	21.3	16.1	12.8	10.7	9.35	7.39	6.16	3.24

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	120.2	102.1	91.5	76.7	59.7	51.2	33.4	25.2	20.7	17.5	15.3	12.4	10.7	5.69
1.80V/cell	135.9	113.1	99.7	82.0	63.9	53.8	35.7	26.9	21.9	18.4	16.2	13.0	11.0	5.88
1.75V/cell	151.9	125.9	109.1	88.4	69.0	58.4	37.0	27.9	22.6	18.8	16.7	13.4	11.3	6.02
1.70V/cell	167.7	137.8	119.5	96.0	74.1	61.6	38.8	29.3	23.5	19.9	17.4	13.9	11.7	6.17
1.65V/cell	178.5	146.4	126.2	100.5	77.7	63.2	40.0	30.4	24.4	20.4	18.0	14.4	12.0	6.35
1.60V/cell	191.9	157.7	135.6	106.5	80.3	64.8	40.9	31.0	24.8	20.8	18.3	14.6	12.2	6.45



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