

PS Range

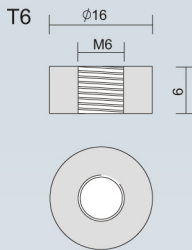
(10yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

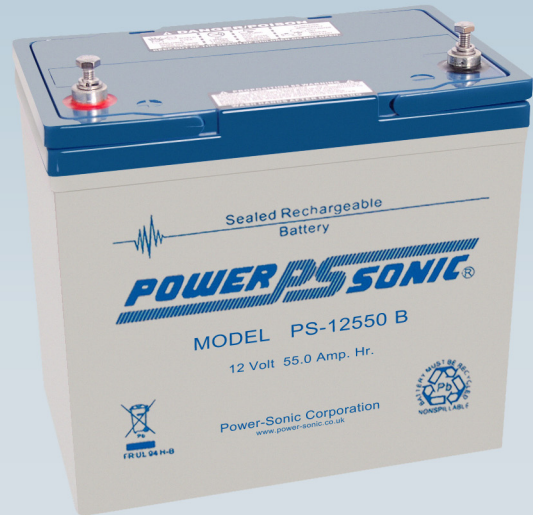
T6 Threaded Insert 6mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		55.0 AH
Dimension	Length	229 ± 2 mm
	Width	138 ± 2 mm
	Container Height	228 ± 2 mm
	Total Height (with terminal)	228 ± 2 mm
Weight		Approx 17.0kg
Standard Terminal		T6

PS-12550 12V 55AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hRate(1.80V/Cell)	55.20AH	Cycle	Initial Charging Current Less than 13.75A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hRate(1.80V/Cell)	53.00AH		
	5hRate(1.75V/Cell)	47.30AH		
	3hRate(1.75V/Cell)	42.90AH		
Capacity Affected by Temperature	1hRate(1.60V/Cell)	33.60AH	Constant Voltage Charge	Standby Recommended Charge Current less than 13.75A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	40°C (104°F)	103%		
	25°C (77°F)	100%		
	0°C (32°F)	86%		

Internal Resistance mΩ

7.5 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	94.1	74.0	62.9	52.6	41.8	31.7	25.9	16.5	13.1	10.7	8.60	7.49	6.08	5.19	2.83
1.80V/cell	126.4	94.6	76.0	62.2	49.4	36.8	29.0	18.0	14.1	11.4	9.23	8.03	6.45	5.30	2.76
1.75V/cell	142.5	103.9	83.1	66.9	51.3	38.2	30.4	18.7	14.3	11.6	9.46	8.25	6.56	5.56	2.89
1.70V/cell	156.9	113.3	88.7	70.4	53.3	39.7	31.3	19.4	14.7	11.9	9.71	8.42	6.65	5.61	2.94
1.65V/cell	173.0	122.2	94.3	74.7	56.3	40.7	32.4	20.0	15.3	12.4	9.98	8.61	6.75	5.73	2.98
1.60V/cell	190.8	132.7	100.8	79.6	59.4	42.5	33.6	20.7	15.8	12.7	10.3	8.79	6.82	5.79	3.00

Constant Power Discharge (Watts) 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	172.1	136.7	117.4	99.2	79.7	60.9	50.0	32.1	25.5	20.9	16.9	14.7	12.0	10.3	5.61
1.80V/cell	228.6	172.6	140.0	115.6	92.7	70.2	55.7	34.8	27.2	22.2	18.0	15.7	12.7	10.9	5.66
1.75V/cell	252.2	186.6	151.0	123.1	95.4	72.2	58.0	35.9	27.6	22.6	18.4	16.1	12.9	11.0	5.70
1.70V/cell	270.0	198.8	159.0	128.4	98.7	74.8	59.7	37.3	28.4	23.1	18.9	16.4	13.0	11.1	5.81
1.65V/cell	293.6	212.6	167.8	135.4	103.3	76.0	61.2	38.1	29.4	23.8	19.3	16.7	13.2	11.3	5.88
1.60V/cell	316.3	225.5	176.5	142.7	108.3	78.8	63.1	39.2	30.2	24.5	19.9	17.0	13.3	11.4	5.90



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