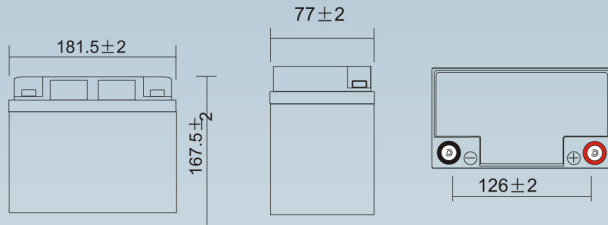


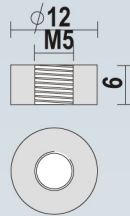
VO Series (VRLA 5yr Life)

Dimensions (mm)



Standard terminal (mm)

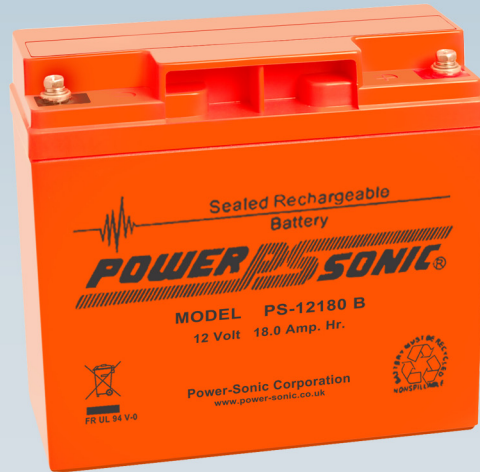
T12 Threaded Insert 5mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		18.0 AH
Dimension	Length	181.5 ± 2 mm
	Width	77 ± 2 mm
	Container Height	167.5 ± 2 mm
	Total Height (with terminal)	167.5 ± 2 mm
Weight		Approx 5.32kg
Standard Terminal		T12

PS-12180 12V 17AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate(1.80V/cell) 10hr Rate(1.80V/cell) 8hr Rate(1.75V/cell) 5hr Rate(1.75V/cell) 1hr Rate(1.60V/cell)	18.00AH 16.70AH 15.30AH 13.80AH 11.30AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 4.25A Voltage 14.40V ~ 15.0V at 25°C (77°F)
Capacity Affected by Temperature	40°C (104°F) 25°C (77°F) 0°C (32°F)	103% 100% 86%			
			Standby		Recommended Charge Current less than 4.25A Voltage 13.5V ~ 13.8V at 25°C (77°F)

Internal Resistance mΩ

16.0 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	34.3	26.0	22.7	19.9	15.6	11.6	9.36	5.56	4.17	3.39	2.87	2.49	1.98	1.63	0.89
1.80V/cell	41.9	30.8	26.5	22.7	17.2	12.7	10.1	5.97	4.39	3.54	2.98	2.57	2.03	1.67	0.90
1.75V/cell	47.5	33.8	28.4	24.1	18.1	13.3	10.6	6.18	4.55	3.64	3.04	2.62	2.07	1.70	0.91
1.70V/cell	52.7	36.8	30.3	25.4	18.9	13.8	10.9	6.34	4.67	3.73	3.11	2.68	2.10	1.72	0.92
1.65V/cell	57.2	39.2	32.2	26.6	19.8	14.3	11.3	6.51	4.75	3.79	3.17	2.72	2.12	1.74	0.93
1.60V/cell	60.9	41.7	34.1	28.0	20.5	14.9	11.7	6.69	4.86	3.87	3.22	2.76	2.15	1.76	0.94

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	65.0	49.8	43.8	38.7	30.5	22.9	18.5	11.1	8.33	6.79	5.77	5.01	3.99	3.31	1.81
1.80V/cell	78.7	58.5	50.9	43.9	33.5	24.9	20.0	11.8	8.74	7.08	5.97	5.16	4.10	3.38	1.82
1.75V/cell	88.4	63.7	54.3	46.4	35.1	26.0	20.9	12.2	9.02	7.24	6.07	5.25	4.15	3.41	1.83
1.70V/cell	97.2	68.9	57.5	48.7	36.6	26.9	21.5	12.5	9.24	7.40	6.20	5.34	4.20	3.45	1.84
1.65V/cell	104.7	72.8	60.7	50.8	38.1	27.8	22.2	12.8	9.39	7.51	6.30	5.41	4.24	3.48	1.86
1.60V/cell	110.4	77.0	63.9	53.2	39.4	28.8	22.9	13.1	9.57	7.65	6.38	5.47	4.28	3.51	1.87



Vds No G103035

In the event of further technical development we reserve the right to alter our design, specification and price without notice. E&O.E

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