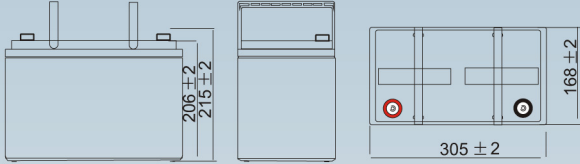


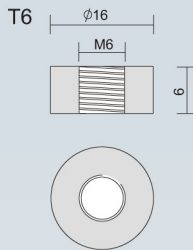
PS Range (VRLA 10yr Life)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		100.0 AH
Dimension	Length	305 ± 2 mm
	Width	168 ± 2 mm
	Container Height	206 ± 2 mm
	Total Height (with terminal)	215 ± 2 mm
Weight		Approx 30.0kg
Standard Terminal		T6

PS-121000 12V 100AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate(1.80V/cell)	105.00AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 18.75A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	100.00AH			
Capacity Affected by Temperature	5hr Rate(1.75V/cell)	87.30AH	Standby	Recommended Charge Current less than 18.75A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	3hr Rate(1.75V/cell)	77.40AH			
	1hr Rate(1.60V/cell)	60.80AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 18.75A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

4.9 mΩ

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

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	113.8	94.5	73.4	58.1	47.0	30.7	23.1	19.0	16.0	11.2	9.58	5.09	2.29	1.13
1.80V/cell	126.1	103.9	79.2	61.7	49.6	32.6	24.4	19.9	16.8	11.7	10.0	5.25	2.33	1.15
1.75V/cell	139.9	113.9	85.2	66.0	53.5	34.2	25.8	20.7	17.5	12.1	10.2	5.36	2.36	1.16
1.70V/cell	152.8	124.4	93.6	68.9	56.5	36.0	27.0	21.6	18.2	12.5	10.5	5.47	2.39	1.18
1.65V/cell	161.8	131.2	98.6	73.2	58.5	37.3	28.0	22.4	18.8	12.9	10.8	5.60	2.44	1.19
1.60V/cell	177.4	142.5	104.8	75.9	60.8	38.8	28.9	23.1	19.5	13.2	11.0	5.73	2.48	1.20

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

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	213.4	179.1	140.6	112.3	91.5	59.8	45.3	37.2	31.6	22.2	19.1	10.1	4.58	2.26
1.80V/cell	233.4	194.1	149.4	117.8	95.7	63.2	47.5	38.8	33.0	23.2	19.9	10.4	4.64	2.30
1.75V/cell	255.8	210.6	159.4	125.3	102.7	66.0	50.0	40.4	34.1	23.9	20.3	10.6	4.71	2.31
1.70V/cell	275.6	228.3	174.2	130.4	108.1	69.4	52.3	42.0	35.4	24.7	20.9	10.8	4.76	2.34
1.65V/cell	290.7	240.0	182.7	137.9	111.5	71.5	54.1	43.4	36.6	25.3	21.3	11.1	4.84	2.37
1.60V/cell	312.2	256.8	192.1	141.5	114.8	74.0	55.6	44.5	37.7	25.9	21.8	11.3	4.91	2.39



Power-Sonic Europe Limited
3 Buckingham Square, Wickford, Essex, SS11 8YQ
Tel: +44 (0)1268 560686 Fax: +44 (0)1268 560902
sales@power-sonic.co.uk
www.power-sonic.co.uk