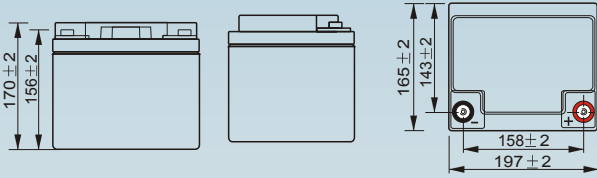


PS Range

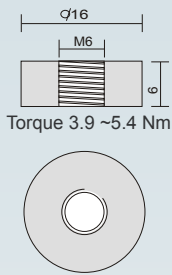
(10yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm Stud



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		38.0 AH
Dimension	Length	197 ± 2 mm
	Width	165 ± 2 mm
	Height To terminal	156 ± 2 mm
	Container Height	170 ± 2 mm
Weight		Approx 13.2kg
Standard Terminal		T6

PS-12380 12V 38AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20h Rate(1.80V/cell)	38.00AH	Cycle	Initial Charging Current Less than 9.5A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10h Rate(1.80V/cell)	35.00AH		
Capacity Affected by Temperature	5h Rate(1.75V/cell)	33.05AH	Constant Voltage Charge	Standby
	3h Rate(1.75V/cell)	29.64AH		
	1h Rate(1.60V/cell)	23.60AH		
	40°C (104°F)	103%		
	25°C (77°F)	100%		Recommended Charge Current less than 9.5A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	0°C (32°F)	86%		

Internal Resistance mΩ

7.5 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	44.5	37.4	33.2	27.5	21.2	18.2	11.8	8.84	7.24	6.09	5.34	4.28	3.68	1.86
1.80V/cell	50.9	42.0	36.7	29.9	22.9	19.2	12.6	9.50	7.70	6.46	5.66	4.51	3.50	1.90
1.75V/cell	57.8	47.3	40.5	32.5	25.0	20.9	13.1	9.88	7.97	6.61	5.83	4.66	3.90	2.08
1.70V/cell	65.3	52.5	44.7	35.5	26.9	22.1	13.9	10.4	8.32	6.99	6.11	4.85	4.05	2.14
1.65V/cell	70.1	56.2	47.6	37.4	28.5	22.9	14.4	10.8	8.65	7.21	6.33	5.02	4.17	2.20
1.60V/cell	77.1	61.6	51.7	39.9	29.6	23.6	14.7	11.1	8.84	7.39	6.46	5.11	4.25	2.24

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	83.0	70.5	63.2	53.0	41.2	35.4	23.1	17.4	14.3	12.1	10.6	8.54	7.36	3.93
1.80V/cell	93.9	78.1	68.9	56.7	44.1	37.2	24.6	18.6	15.1	12.7	11.2	8.96	7.58	4.06
1.75V/cell	104.9	87.0	75.4	61.1	47.7	40.3	25.5	19.3	15.6	13.0	11.5	9.24	7.78	4.16
1.70V/cell	115.9	95.2	82.6	66.3	51.2	42.5	26.8	20.2	16.3	13.7	12.0	9.62	8.07	4.26
1.65V/cell	123.3	101.1	87.2	69.4	53.7	43.7	27.7	21.0	16.8	14.1	12.4	9.92	8.29	4.39
1.60V/cell	132.6	109.0	93.7	73.6	55.5	44.8	28.2	21.4	17.2	14.4	12.6	10.1	8.45	4.45



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