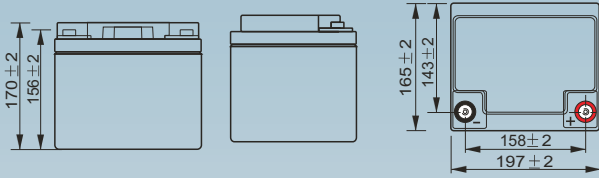


## PS Range

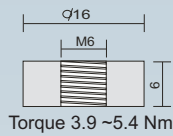
(10yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

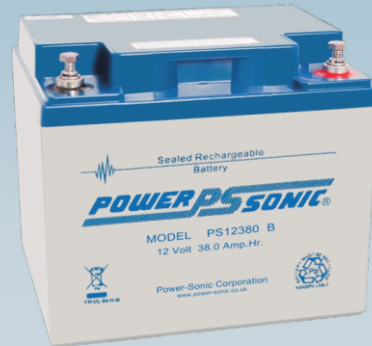
#### T6 Threaded Insert 6mm Stud



### 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
	Total Height	170 ± 2 mm
Weight		Approx 13.2kg
Standard Terminal		T6
Case and Cover Material		ABS (UL94-HB)

## PS-12380 12V 38AH



### Operating Temperature Range

Storage (In fully charged condition)	- 20°C to + 60°C
Charge	- 15°C to + 50°C
Discharge	- 20°C to + 60°C

### Container and Lid Material /Flammability Rating

ABS UL94-HB or UL94-V0 Option

### Discharge Characteristics (25°C, 77°F)

Rated Capacity	20h Rate(1.80V/cell)				10h Rate(1.80V/cell)				5h Rate(1.75V/cell)				3h Rate(1.75V/cell)				1h Rate(1.60V/cell)			
	40°C (104°F)	25°C (77°F)	0°C (32°F)	100%	103%	100%	86%	103%	100%	86%	103%	100%	86%	103%	100%	86%	103%	100%	86%	
Capacity Affected by Temperature	40.6AH				38.0AH				33.1AH				29.6AH				23.6AH			
	Initial Charging Current Less than 9.5A Voltage 14.40V ~ 15.0V at 25°C (77°F)				Recommended Charge Current less than 9.5A Voltage 13.5V ~ 13.8V at 25°C (77°F)															

### Internal Resistance mΩ

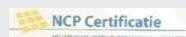
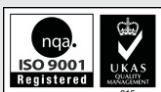
Approx. 10 mΩ

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

F.V(V/cell)	10min	15min	20min	30min	45min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85	44.5	37.3	33.2	27.5	21.20	18.20	11.80	8.84	7.24	6.09	5.34	4.28	3.68	1.96
1.80	50.9	42.0	36.7	29.9	22.90	19.20	12.60	9.50	7.70	6.46	5.66	4.51	3.80	2.03
1.75	57.9	47.3	40.5	32.5	25.00	20.90	13.10	9.88	7.97	6.61	5.83	4.66	3.90	2.08
1.70	65.3	52.5	44.7	35.5	26.90	22.10	13.90	10.40	8.32	6.99	6.11	4.85	4.05	2.14
1.65	70.1	56.2	47.6	37.4	28.50	22.90	14.40	10.80	8.65	7.21	6.33	5.02	4.17	2.20
1.60	77.1	61.6	51.7	39.9	29.60	23.60	14.70	11.10	8.84	7.39	6.46	5.11	4.25	2.24

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

F.V(V/cell)	10min	15min	20min	30min	45min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85	83.0	70.5	63.2	53.0	41.2	35.4	23.10	17.40	14.30	12.10	10.60	8.54	7.36	3.93
1.80	93.9	78.1	68.9	56.7	44.1	37.2	24.60	18.60	15.10	12.70	11.20	8.96	7.58	4.06
1.75	104.9	87.0	75.4	61.1	47.7	40.3	25.50	19.30	15.60	13.00	11.50	9.24	7.78	4.16
1.70	115.9	95.2	82.6	66.3	51.2	42.5	26.80	20.20	16.30	13.70	12.00	9.62	8.07	4.26
1.67	123.3	101.1	87.2	69.4	53.7	43.7	27.70	21.00	16.80	14.10	12.40	9.92	8.29	4.39
1.60	132.6	109.0	93.7	73.6	55.5	44.8	28.20	21.40	17.20	14.40	12.60	10.10	8.45	4.45



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