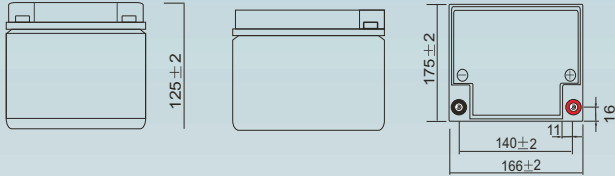


## PG Range

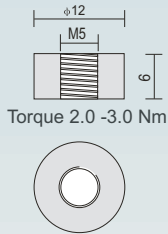
(12yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T12 Threaded Insert 5mm Stud



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		30.0 AH
Dimension	Length	166 ± 2 mm
	Width	175 ± 2 mm
	Total Height	125 ± 2 mm
	Height to top of terminal	125 ± 2 mm
Weight		Approx 8.6kg
Standard Terminal		T12
Case and Cover Material		ABS (UL94-HB)

## PG-12V30



### 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

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

Rated Capacity	Discharge Rate				Initial Charging Current Less than 7.5A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	20hr Rate (1.80V/cell)	10hr Rate (1.80V/cell)	5hr Rate (1.75V/cell)	3hr Rate (1.75V/cell)	
	29.60AH	28.00AH	24.30AH	22.10AH	Constant Voltage Charge Cycle
	17.20AH				
Capacity Affected by Temperature	40°C (104°F) 103%	25°C (77°F) 100%	0°C (32°F) 86%		

### Internal Resistance m Ω

Approx 12 m Ω

### 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	36.1	30.1	25.7	21.0	15.9	13.3	8.48	6.73	5.45	4.41	3.87	3.09	2.64	1.47
1.80V/cell	46.1	36.4	30.4	24.8	18.5	14.9	9.27	7.24	5.82	4.73	4.15	3.28	2.80	1.48
1.75V/cell	50.7	39.8	32.7	25.7	19.2	15.6	9.61	7.37	5.96	4.86	4.26	3.34	2.83	1.50
1.70V/cell	55.3	42.5	34.3	26.8	19.9	16.1	10.0	7.58	6.11	4.98	4.35	3.39	2.86	1.53
1.65V/cell	59.6	45.2	36.5	28.2	20.4	16.6	10.3	7.90	6.32	5.12	4.45	3.44	2.91	1.55
1.60V/cell	64.8	48.3	38.9	29.8	21.3	17.2	10.6	8.14	6.52	5.29	4.54	3.47	2.95	1.56

### 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	68.0	57.3	49.3	40.7	31.1	26.1	16.8	13.4	10.9	8.79	7.74	6.22	5.32	2.96
1.80V/cell	85.9	68.3	57.5	47.3	35.8	29.1	18.2	14.3	11.5	9.40	8.27	6.58	5.63	2.99
1.75V/cell	92.9	73.7	61.2	48.7	36.9	30.3	18.8	14.5	11.8	9.62	8.47	6.68	5.68	3.01
1.70V/cell	99.0	77.6	63.9	50.5	38.2	31.2	19.5	14.9	12.0	9.84	8.63	6.77	5.73	3.07
1.65V/cell	105.8	81.9	67.4	52.8	38.8	32.0	19.9	15.4	12.4	10.1	8.79	6.85	5.84	3.10
1.60V/cell	112.3	86.2	71.0	55.4	40.2	33.0	20.5	15.8	12.7	10.4	8.96	6.91	5.89	3.11



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