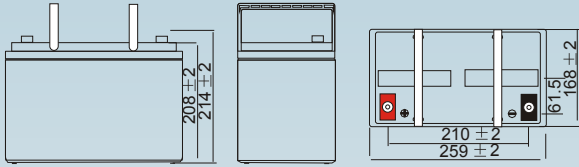


## PG Range

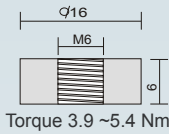
(12yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T6 Threaded Insert 6mm Stud



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		80.0 AH
Dimension	Length	259 ± 2 mm
	Width	168 + 2 mm
	Container Height	208 ± 2 mm
	Total Height (with terminal)	214 ± 2 mm
Weight		Approx 23.0kg
Standard Terminal		T6

## PG12V80



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

Rated Capacity	20hRate(1.80V/cell)		Constant Voltage Charge	Cycle	Initial Charging Current Less than 20.0A Voltage 14.4V ~ 15.0V at 25°C (77°F)
	10hRate(1.80V/cell)	5hRate(1.75V/cell)			
	80.20AH	75.00AH			
	65.50AH	58.50AH			
	46.50AH	46.50AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Standby	Recommended Charge Current less than 20.0A Voltage 13.5V ~ 13.8V at 15°C (77°F)	
	25°C (77°F)	100%			
	0°C (32°F)	86%			

### Internal Resistance mΩ

6.6 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	87.80	73.80	65.50	54.30	41.90	35.90	23.20	17.50	14.30	12.00	10.50	8.46	7.27	3.88
1.80V/cell	100.40	82.90	72.40	59.00	45.20	37.80	25.00	18.80	15.20	12.80	11.20	8.90	7.50	4.01
1.75V/cell	114.00	93.40	80.00	64.10	49.30	41.30	26.00	19.50	15.70	13.10	11.50	9.20	7.70	4.11
1.70V/cell	128.80	103.60	88.30	70.00	53.10	43.70	27.30	20.50	16.40	13.80	12.10	9.58	8.00	4.22
1.65V/cell	138.30	111.0	93.90	73.80	56.20	45.20	28.30	21.40	17.10	14.20	12.50	9.91	8.22	4.35
1.60V/cell	152.20	121.50	102.10	78.80	58.40	46.50	29.10	21.90	17.50	14.60	12.80	10.10	8.39	4.42

### 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	163.80	139.20	124.70	104.60	81.40	69.90	45.50	34.40	28.20	23.80	20.90	16.90	14.50	7.76
1.80V/cell	185.30	154.20	135.90	111.9	87.10	73.40	48.60	36.70	29.90	25.10	22.10	17.70	15.00	8.02
1.75V/cell	207.10	171.70	148.80	120.60	94.10	79.60	50.40	38.00	30.80	25.60	22.70	18.20	15.40	8.21
1.70V/cell	228.70	187.90	163.00	130.90	101.00	84.00	53.00	40.00	32.10	27.10	23.80	19.00	15.90	8.41
1.65V/cell	243.30	199.60	172.10	137.00	105.90	86.20	54.60	41.40	33.20	27.80	24.50	19.60	16.40	8.67
1.60V/cell	261.70	215.10	185.00	145.20	109.50	88.40	55.70	42.30	33.90	28.40	25.00	19.90	16.70	8.79



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