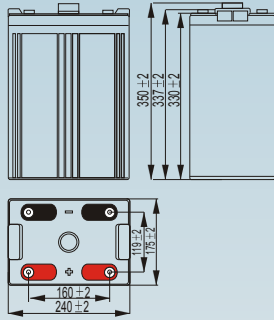


## PG Range

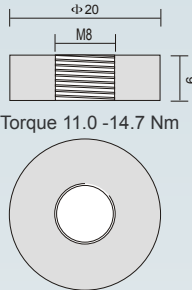
(15yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T11 Threaded Insert 8mm Stud



### Physical Specification

Nominal Voltage		2V
Nominal Capacity		540.0 AH
Dimension	Length	175 ± 2 mm
	Width	240 + 2 mm
	Container Height	330 ± 2 mm
	Total Height (with terminal)	350 ± 2 mm
Weight		Approx 33.5kg
Standard Terminal		T11

## PG-2V540



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

Rated Capacity	20hr Rate(1.80V/cell)	540.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 135A Voltage 2.4V ~ 2.5V at 25°C (77°F)
	10hr Rate(1.80V/cell)	508.0AH			
Capacity Affected by Temperature	8hr Rate(1.75V/cell)	500.0AH	Standby	Recommended Charge Current less than 135A Voltage 2.25V ~ 2.3V at 25°C (77°F)	
	5hr Rate(1.75V/cell)	439.0AH			
	1hr Rate(1.60V/cell)	325.0AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 135A Voltage 2.25V ~ 2.3V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

### Internal Resistance mΩ

0.6 mΩ

### Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

F.V.(V/cell)	5min	10min	15min	20min	30min	45min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85	667.0	595.1	537.7	485.4	352.1	266.6	251.2	157.2	122.5	97.4	79.6	69.7	57.9	47.9	26.0
1.80	893.1	757.7	649.7	574.9	415.5	310.1	281.4	171.6	131.9	104.0	85.5	74.7	61.4	50.8	27.0
1.75	1010.0	833.3	709.5	617.3	431.4	321.8	294.4	178.0	134.3	106.3	87.8	76.8	62.5	51.3	27.2
1.70	1111.1	909.3	757.7	649.7	449.0	334.7	303.7	185.0	138.0	109.1	90.0	78.4	63.4	51.8	27.7
1.65	1221.6	980.2	806.5	689.8	473.6	343.0	313.9	190.2	143.9	112.9	92.5	80.1	64.4	52.9	28.1
1.60	1351.4	1064.0	862.1	735.2	500.0	357.5	325.0	196.6	148.3	116.4	95.5	81.8	65.0	53.4	28.3

### Constant Power Discharge Characteristics Unit: (Watts/cell) (25°C, 77°F)

F.V.(V/cell)	5mn	10mn	15mn	20mn	30mn	45mn	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85	1242.2	1113.9	1011.3	918.4	671.1	512.5	486.0	305.3	238.6	190.2	156.0	136.9	114.3	94.8	51.4
1.80	1620.8	1383.1	1192.2	1062.6	779.8	588.9	539.8	330.9	255.4	202.1	166.8	146.3	120.9	100.3	53.3
1.75	1788.1	1490.8	1284.1	1128.4	802.9	607.9	562.1	342.0	259.2	205.9	170.6	149.8	122.7	101.1	53.7
1.70	1937.1	1603.9	1356.2	1177.6	831.0	629.8	578.1	354.6	265.9	211.0	174.6	152.7	124.3	102.1	54.7
1.65	2072.9	1699.0	1424.4	1237.5	869.4	639.7	593.2	362.2	276.0	217.5	178.9	155.6	126.0	104.1	55.4
1.60	2270.4	1827.9	1508.6	1310.1	911.5	663.2	611.0	372.7	283.3	223.6	184.1	158.4	126.9	105.0	55.6



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