

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

Dimensions (mm)		
Standard terminal (mm)		
<b>T11 Threaded Insert 8mm Stud</b>  Torque 11.0 - 14.7 Nm		
Identification		
Nominal Voltage	12V	
Nominal Capacity	160.0 AH	
Dimension	Length	485 ± 2 mm
	Width	170 ± 2 mm
	Container Height	238.5 ± 2 mm
	Total Height (With Terminal)	225 ± 2 mm
Weight	Approx 47.2kg	
Standard Terminal	T11	
Case and Cover Material	ABS (UL94-HB)	

## PG12V160



### 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	20hr Rate(1.80V/cell)			Constant Voltage Charge	Cycle	Initial Charging Current Less than 40.0A Voltage 14.4V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	5hr Rate(1.75V/cell)	3hr Rate(1.75V/cell)			
	160.6AH	150.0AH	130.5AH			
	117.0AH	93.0AH				
Capacity Affected by Temperature	40°C (104°F)	103%		Standby	Recommended Charge Current less than 40.0A Voltage 13.5V ~ 13.8V at 15°C (77°F)	
	25°C (77°F)	100%				
	0°C (32°F)	86%				

### Internal Resistance mΩ

3.5mΩ

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

EV/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	175.5	147.6	131.0	108.6	83.8	71.7	36.4	24.1	21.1			16.9	14.5	7.76
1.80V/cell	200.8	165.7	144.8	118.0	90.4	75.7	34.4	25.5	22.3			17.8	15.0	8.03
1.75V/cell	228.1	186.8	160.0	128.2	98.6	82.5	31.9	39.0	31.4	26.1	23.0	18.4	15.4	8.23
1.70V/cell	257.6	207.3	176.6	139.9	106.2	87.3	27.6	41.1	32.9	2		19.2	16.0	8.44
1.65V/cell	276.6	221.9	187.9	147.7	112.4	90.3	25.6	42.7	34.1	2		19.8	16.4	8.70
1.60V/cell	304.3	243.0	204.1	157.6	116.8	93.0	22.5	43.8	34.9	2		20.2	16.8	8.84

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

EV/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	327.7	278.4	249.5	209.2	162.8	139.7	91.1	68.7	56.5	47.6	41.9	33.7	29.1	15.5
1.80V/cell	370.6	308.4	271.8	223.7	174.2	146.7	97.3	73.4	62.2	50.3	4	35.4	29.9	16.0
1.75V/cell	414.2	343.4	297.5	248.2	195.2	160.8		76.1	61.6	51.3	45.4	36.5	30.7	16.4
1.70V/cell	457.4	375.7	326.0	261.8	202.0	167.9	105.9	79.9	64.2	54.1	47.5	38.0	31.9	16.8
1.65V/cell	486.7	399.2	344.2	274.1	211.9	172.5	109.2	82.8	66.5	55.7	49.0	39.2	32.7	17.3
1.60V/cell	523.4	430.1	369.9	290.4	219.0	176.7	111.4	84.5	67.8	56.8	49.9	39.8	33.3	17.6



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