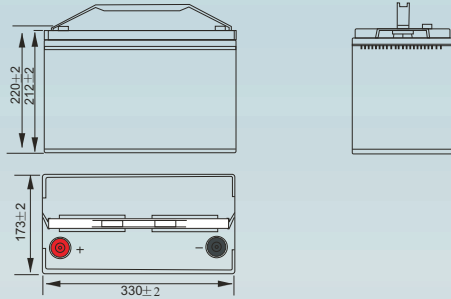


PG Range

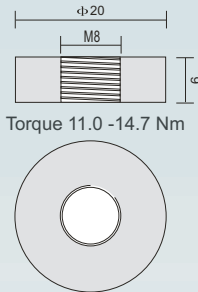
(12yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T11 Threaded Insert 8mm Stud



Physical Specification

Nominal Voltage		12V
Nominal Capacity		110.0AH
Dimension	Length	330 ± 2 mm
	Width	173 + 2 mm
	Container Height	212 ± 2 mm
	Total Height (with terminal)	220 ± 2 mm
Weight		Approx 32.0kg
Standard Terminal		T11
Case and Cover Material		ABS (UL94-HB)

PG12V110



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 (20°C, 68°F)

Rated Capacity	20hr Rate (1.80V/cell)	107.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 27.5A Voltage 14.4V ~ 15.0V at 25°C (77°F)
	10hr Rate (1.80V/cell)	100.0AH			
Capacity Affected by Temperature	5hr Rate (1.75V/cell)	87.0AH	Standby	Recommended Charge Current less than 27.5A Voltage 13.5V ~ 13.8V at 15°C (77°F)	
	3hr Rate (1.75V/cell)	78.0AH			
	1hr Rate (1.60V/cell)	62.0AH			
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

Approx 4.9mΩ

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	117.0	98.4	87.3	72.4	55.9	47.8	31.0	23.3	19.1	16.0	14.1	11.3	9.69	5.17
1.80V/cell	133.9	110.5	96.5	78.6	60.3	50.5	33.3	25.0	20.3	17.0	14.9	11.9	10.0	5.35
1.75V/cell	152.1	124.5	106.7	85.5	65.7	55.0	34.6	26.0	21.0	17.4	15.4	12.3	10.3	5.49
1.70V/cell	171.7	138.2	117.7	93.3	70.8	58.2	36.5	27.4	21.9	18.4	16.1	12.8	10.7	5.63
1.65V/cell	184.4	147.9	125.3	98.5	74.9	60.2	37.8	28.5	22.8	19.0	16.7	13.2	11.0	5.80
1.60V/cell	202.9	162.0	136.1	105.1	77.9	62.0	38.8	29.2	23.3	19.4	17.0	13.4	11.2	5.89

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	218.5	185.6	166.3	139.4	108.5	93.2	60.7	45.8	37.7	31.8	27.9	22.5	19.4	10.3
1.80V/cell	247.1	205.6	181.2	149.2	116.1	97.8	64.8	49.0	39.8	33.5	29.4	23.6	20.0	10.7
1.75V/cell	276.2	228.9	198.3	160.8	125.5	106.1	67.2	50.7	41.0	34.2	30.3	24.3	20.5	10.9
1.70V/cell	304.9	250.5	217.3	174.6	134.7	112.0	70.6	53.3	42.8	36.1	31.7	25.3	21.2	11.2
1.65V/cell	324.5	266.2	229.5	182.7	141.2	115.0	72.8	55.2	44.3	37.1	32.7	26.1	21.8	11.6
1.60V/cell	348.9	286.8	246.6	193.6	146.0	117.8	74.3	56.4	45.2	37.9	33.3	26.5	22.2	11.7



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