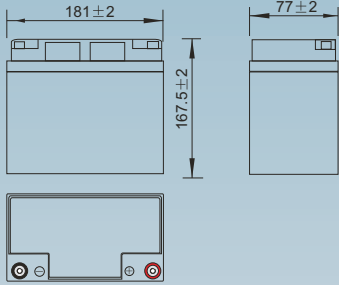


## PG Range

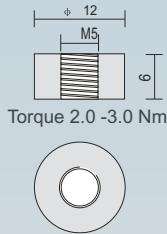
(6yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T12 Threaded Insert 5mm Stud



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		21 AH
Dimension	Length	181 ± 2 mm
	Width	77 ± 2 mm
	Container Height	167.5 ± 2 mm
	Total Height (with terminal)	167.5 ± 2 mm
Weight		Approx 6.0kg
Standard Terminal		T12
Case and Cover Material		ABS (UL94-HB)

## PG12V21



### 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)	18.9AH	Cycle	Initial Charging Current Less than 5.0A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	18.0AH		
Capacity Affected by Temperature	5hr Rate(1.75V/cell)	16.0AH	Constant Voltage Charge	Standby Recommended Charge Current less than 5.0A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	3hr Rate(1.75V/cell)	14.0AH		
	1hr Rate(1.60V/cell)	11.0AH		
	40°C (104°F)	103%		
	25°C (77°F)	100%		
	0°C (32°F)	86%		

### Internal Resistance mΩ

15.0 mΩ

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

F.V(V/cell)	15min	20min	30min	45min	1H	2H	3H	4H	5H	8H	10H	20H
1.85	20.6	17.1	13.3	10.5	8.52	5.58	4.19	3.43	2.90	2.03	1.72	0.916
1.80	22.8	18.8	14.3	11.2	8.98	5.94	4.42	3.60	3.05	2.13	1.80	0.945
1.75	25.3	20.6	15.4	12.0	9.69	6.22	4.68	3.76	3.20	2.19	1.84	0.965
1.70	27.7	22.5	16.9	12.5	10.20	6.56	4.89	3.91	3.33	2.27	1.90	0.984
1.65	29.3	23.8	17.9	13.3	10.60	6.79	5.07	4.05	3.40	2.33	1.94	1.007
1.60	32.1	25.8	19.0	13.7	11.00	7.07	5.24	4.18	3.52	2.39	1.98	1.031

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

F.V(V/cell)	15min	20min	30min	45min	1H	2H	3H	4H	5H	8H	10H	20H
1.85	38.8	32.6	25.6	20.4	16.7	11.0	8.24	6.77	5.74	4.04	3.45	1.83
1.80	42.5	35.3	27.2	21.4	17.4	11.6	8.65	7.06	6.00	4.23	3.59	1.89
1.75	46.5	38.3	29.0	22.8	18.7	12.1	9.12	7.35	6.29	4.34	3.67	1.93
1.70	50.1	41.5	31.7	23.7	19.7	12.7	9.52	7.65	6.53	4.50	3.78	1.96
1.67	52.9	43.7	33.3	25.1	20.3	13.1	9.85	7.90	6.66	4.61	3.86	2.01
1.60	56.8	46.7	35.0	25.7	20.9	13.5	10.11	8.11	6.86	4.72	3.94	2.05



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