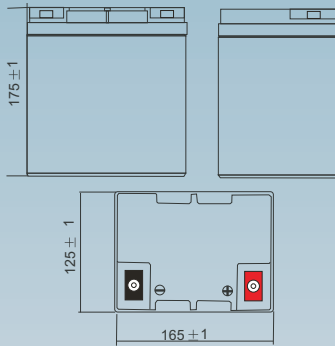


## PG Range

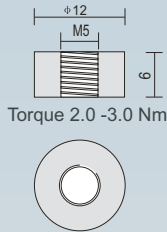
(12yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T12 Threaded Insert 5mm Stud



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		28 AH
Dimension	Length	165 ± 2 mm
	Width	125 ± 2 mm
	Container Height	175 ± 2 mm
	Total Height (with terminal)	175 ± 2 mm
Weight		Approx 9.1kg
Standard Terminal		T12
Case and Cover Material		ABS (UL94-HB)

## PG12V28



### 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)	28.0AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 7.0A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	26.0AH			
Capacity Affected by Temperature	5hr Rate(1.75V/cell)	23.8AH	Standby	Recommended Charge Current less than 7.0A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	3hr Rate(1.75V/cell)	21.4AH			
	1hr Rate(1.60V/cell)	17.6AH			
	40°C (104°F)	103%			
25°C (77°F)	100%				
0°C (32°F)	86%				

### Internal Resistance mΩ

14.0 mΩ

### Constant Current Discharge (Amperes) at 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	53.3	40.9	33.9	29.3	22.7	16.7	14.1	8.33	6.52	5.30	4.32	3.75	3.02	2.53	1.39
1.80	71.6	52.3	41.0	34.7	26.8	19.4	15.8	9.09	7.01	5.66	4.64	4.02	3.21	2.60	1.40
1.75	80.7	57.5	44.8	37.3	27.8	20.2	16.5	9.42	7.14	5.76	4.76	4.13	3.26	2.67	1.41
1.70	88.9	62.7	47.8	39.2	28.9	21.0	17.0	9.66	7.34	5.94	4.88	4.22	3.31	2.73	1.44
1.65	98.0	67.6	50.8	41.6	30.5	21.5	17.4	9.80	7.65	6.14	5.01	4.31	3.36	2.78	1.46
1.60	108.1	73.4	54.3	44.4	32.2	22.4	17.6	10.20	7.88	6.33	5.18	4.40	3.39	2.81	1.47

### Constant Power Discharge (Watts/cell) at 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	97.5	75.6	63.3	55.3	43.2	32.1	27.2	16.17	12.70	10.36	8.47	7.37	5.97	5.00	2.75
1.80	129.5	95.5	75.4	64.4	50.2	37.1	30.3	17.53	13.59	11.00	9.05	7.87	6.31	5.15	2.77
1.75	142.9	103.3	81.4	68.6	51.7	38.1	31.5	18.11	13.78	11.21	9.26	8.06	6.41	5.28	2.79
1.70	153.0	110.0	85.7	71.6	53.5	39.5	32.4	18.53	14.14	11.48	9.48	8.22	6.49	5.38	2.84
1.65	166.3	117.6	90.4	75.4	56.0	40.1	32.9	18.68	14.68	11.83	9.70	8.37	6.58	5.48	2.88
1.60	179.2	124.8	95.1	79.5	58.7	41.6	33.1	19.39	15.06	12.17	9.99	8.53	6.63	5.53	2.89



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