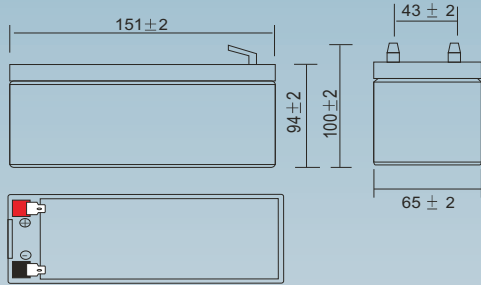


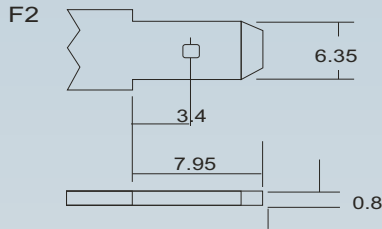
## PG Range

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

### Dimensions (mm)



### Standard terminal (mm)



### Physical Specification

Nominal Voltage		12V
Nominal Capacity		7.6AH
Dimension	Length	151 ± 2 mm
	Width	65 ± 2 mm
	Container Height	94 ± 2 mm
	Total Height (with terminal)	100 ± 2 mm
Weight		Approx 2.45kg
Standard Terminal		F2
Case and Cover Material		ABS (UL94-HB)

## PG-12V7.6



### 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)	7.80AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 1.87A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate(1.80V/cell)	7.28AH			
Capacity Affected by Temperature	5hr Rate(1.75V/cell)	6.50AH	Standby	Recommended Charge Current less than 1.87A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	3hr Rate(1.75V/cell)	5.70AH			
	1hr Rate(1.60V/cell)	4.74AH			
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			

### Internal Resistance mΩ

18.0 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	17.9	13.0	11.1	9.4	6.9	5.03	4.01	2.38	1.78	1.44	1.22	1.06	0.842	0.697	0.383
1.80	21.4	15.2	12.5	10.2	7.4	5.35	4.27	2.50	1.85	1.51	1.27	1.10	0.873	0.728	0.390
1.75	24.0	16.6	13.4	10.8	7.7	5.56	4.43	2.57	1.90	1.54	1.30	1.12	0.886	0.739	0.398
1.70	26.1	17.7	14.2	11.3	8.0	5.71	4.52	2.63	1.94	1.57	1.32	1.14	0.905	0.749	0.403
1.65	28.4	18.8	14.9	11.8	8.3	5.89	4.64	2.68	1.98	1.60	1.34	1.16	0.917	0.757	0.406
1.60	29.9	19.7	15.4	12.1	8.5	6.04	4.74	2.74	2.02	1.63	1.37	1.18	0.932	0.768	0.413

### 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	33.7	24.8	21.4	18.3	13.4	9.9	7.90	4.71	3.54	2.88	2.45	2.12	1.69	1.41	0.773
1.80	40.1	28.8	24.0	19.8	14.4	10.4	8.38	4.93	3.67	3.00	2.53	2.20	1.75	1.46	0.785
1.75	44.4	31.2	25.4	20.7	14.9	10.8	8.68	5.07	3.75	3.05	2.58	2.23	1.77	1.48	0.797
1.70	47.7	32.9	26.7	21.5	15.3	11.0	8.78	5.14	3.81	3.09	2.61	2.26	1.79	1.49	0.800
1.65	50.9	34.2	27.6	22.1	15.7	11.3	8.93	5.18	3.84	3.12	2.63	2.28	1.80	1.49	0.802
1.60	52.4	35.1	28.0	22.4	15.9	11.4	9.06	5.27	3.90	3.16	2.66	2.30	1.82	1.50	0.812



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