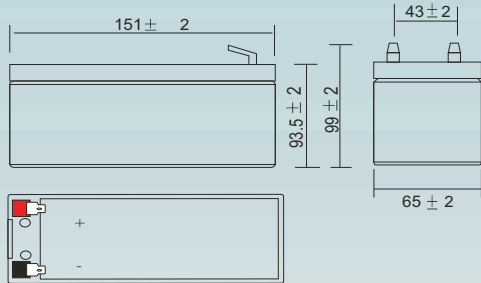


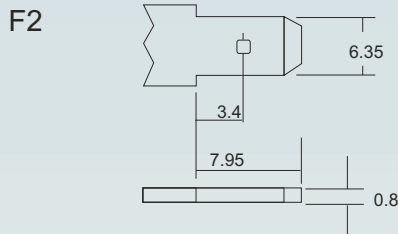
PG Range

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

Dimensions (mm)



Standard terminal (mm)



Physical Specification

Nominal Voltage		12V
Nominal Capacity		8.5 AH
Dimension	Length	151 ± 2 mm
	Width	65 ± 2 mm
	Container Height	93.5 ± 2 mm
	Total Height (with terminal)	99 ± 2 mm
Weight		Approx 2.50kg
Standard Terminal		F2 (standard)
Case and Cover Material		ABS (UL94-HB)

PG12V9



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	Discharge Rate			Cycle	Initial Charging Current Less than 2.25A Voltage 14.4V ~ 15.0V at 25°C (77°F)
	20hr Rate (1.80V/cell)	10hr Rate (1.80V/cell)	5hr Rate (1.75V/cell)		
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 2.25A Voltage 13.5V ~ 13.8V at 15°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

Approx 18mΩ

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	19.6	13.9	11.7	9.92	7.41	5.50	4.40	2.62	1.95	1.58	1.33	1.15	0.911	0.753	0.415
1.80V/cell	23.4	16.0	13.1	10.9	8.11	5.93	4.73	2.80	2.07	1.67	1.40	1.21	0.961	0.793	0.425
1.75V/cell	26.1	17.4	14.1	11.6	8.45	6.15	4.90	2.88	2.12	1.70	1.43	1.23	0.978	0.806	0.434
1.70V/cell	28.5	18.8	14.8	12.1	8.77	6.36	5.04	2.96	2.17	1.74	1.45	1.25	0.992	0.816	0.439
1.65V/cell	30.9	19.8	15.4	12.5	9.06	6.56	5.20	3.01	2.22	1.76	1.48	1.27	1.003	0.825	0.443
1.60V/cell	32.6	20.6	15.9	12.8	9.32	6.72	5.31	3.08	2.25	1.80	1.50	1.29	1.013	0.832	0.446

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	36.9	26.4	22.4	19.2	14.5	10.8	8.67	5.18	3.88	3.15	2.67	2.32	1.83	1.52	0.839
1.80V/cell	43.6	30.2	24.9	21.1	15.8	11.6	9.28	5.53	4.10	3.32	2.80	2.43	1.93	1.59	0.855
1.75V/cell	48.4	32.7	26.7	22.2	16.3	12.0	9.61	5.67	4.18	3.36	2.83	2.45	1.95	1.61	0.869
1.70V/cell	51.9	34.8	27.7	22.9	16.8	12.3	9.79	5.77	4.26	3.41	2.86	2.48	1.96	1.62	0.872
1.65V/cell	55.5	36.2	28.4	23.4	17.2	12.5	10.0	5.83	4.31	3.44	2.89	2.49	1.97	1.63	0.874
1.60V/cell	57.2	36.7	28.9	23.6	17.4	12.7	10.1	5.92	4.34	3.48	2.92	2.52	1.98	1.64	0.876



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