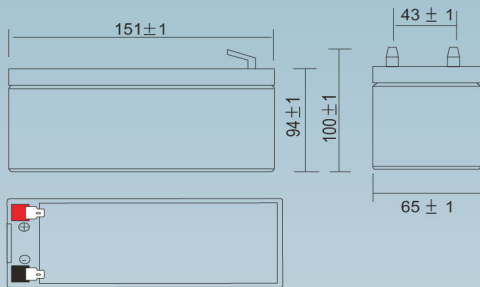
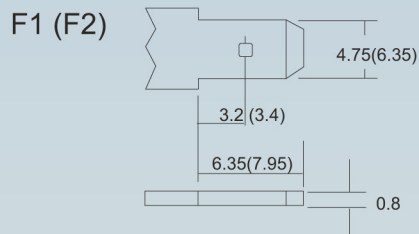


## PG Range (VRLA 6yr Life)

### 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	94 ± 2 mm
	Total Height (with terminal)	100 ± 2 mm
Weight		Approx 2.75kg
Standard Terminal		F1/F2 (standard)

## PG12V9



### Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (0.425A)	8.5AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 2.25A Voltage 14.4V ~ 15.0V at 25°C (77°F)
	10hr Rate (0.823A)	8.2AH			
Capacity Affected by Temperature	8hr Rate (0.92A)	7.36AH	Standby	Recommended Charge Current less than 2.25A Voltage 13.5V ~ 13.8V at 15°C (77°F)	
	5hr Rate (1.47A)	7.35AH			
	1hr Rate (6.63A)	6.63AH			
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 Resistances m0hms

21.0 m0hms

### Constant Current Discharge Characteristics Unit: Amperes (20°C, 68°F)

F.V/Time	5mn	10mn	15mn	20mn	30mn	45mn	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	20H	24H	48H	72H	100H
1.90V	18.2	13.6	11.2	10.1	7.70	5.78	4.93	2.77	1.99	1.58	1.31	1.12	0.99	0.890	0.810	0.750	0.390	0.336	0.173	0.119	0.087
1.85V	22.5	15.8	12.8	10.9	8.15	6.11	5.13	2.91	2.04	1.63	1.36	1.16	1.02	0.918	0.844	0.780	0.407	0.353	0.184	0.126	0.092
1.80V	28.4	18.3	14.5	11.9	8.71	6.41	5.40	3.02	2.15	1.70	1.42	1.22	1.07	0.970	0.890	0.823	0.425	0.369	0.192	0.131	0.096
1.75V	31.2	20.3	15.6	12.7	9.27	6.86	5.67	3.15	2.26	1.78	1.47	1.27	1.11	1.010	0.920	0.850					
1.70V	33.0	21.6	16.6	13.4	9.73	7.16	5.96	3.29	2.33	1.85	1.52	1.30	1.14	1.030	0.940	0.870					
1.65V	35.4	23.0	17.6	14.2	10.40	7.63	6.26	3.41	2.42	1.90	1.57	1.34	1.18	1.070	0.970	0.890					
1.60V	38.6	24.4	18.6	15.3	11.00	8.11	6.63	3.55	2.50	1.96	1.62	1.38	1.22	1.100	0.993	0.910					

### Constant Power Discharge Characteristics Unit: Watts/Cell (20°C, 68°F)

F.V/Time	5mn	10mn	15mn	20mn	30mn	45mn	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	20H	24H	48H	72H	100H
1.90V	214.6	161.7	134.0	121.7	93.3	70.3	60.2	33.9	24.4	19.4	16.2	13.9	12.3	11.0	10.04	9.32	4.847	4.179	2.158	1.482	1.090
1.85V	259.1	183.8	150.4	129.3	97.8	73.9	62.4	35.5	25.0	20.0	16.8	14.3	12.6	11.4	10.50	9.66	5.044	4.383	2.287	1.564	1.150
1.80V	321.9	209.3	167.2	138.4	102.4	76.2	64.9	36.5	26.1	20.7	17.3	14.9	13.2	11.9	11.00	10.18	5.260	4.570	2.380	1.633	1.199
1.75V	346.2	228.5	177.7	146.3	108.1	81.2	67.8	37.9	27.3	21.6	17.9	15.5	13.6	12.4	11.30	10.50					
1.70V	356.2	237.7	186.5	153.3	112.8	84.4	71.0	39.5	28.1	22.4	18.5	15.9	14.0	12.6	11.60	10.70					
1.65V	376.8	250.8	196.2	161.2	119.6	89.1	74.1	40.6	29.1	22.9	19.0	16.3	14.4	13.1	12.00	10.90					
1.60V	401.5	260.1	204.0	171.8	125.6	94.2	78.1	42.1	29.9	23.6	19.6	16.7	14.8	13.4	12.20	11.20					



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