

Sealed Lead Acid Battery

DM12-7.5

Specification Sheet



The PowerPac series is purpose-built for standby applications, offering exceptional consistency, dependable performance and a reliable service life, making it a trusted choice for security systems.

Features

- Exceptional consistency for standby systems
- Stable quality with a high manufacturing pass rate
- Ideal for use in security systems
- Low self-discharge rate

Electrical Specification

Design floating Life @ 20°C (68°F) 5 years

Nominal Capacity @ 25°C /77°F

20 hour rate 0.38 A to 1.75Vpc 7.5 Ah

10 hour rate 0.71 A to 1.75Vpc 7.1 Ah

5 hour rate 1.30 A to 1.70Vpc 6.5 Ah

1 hour rate 4.03 A to 1.60Vpc 4.0 Ah

Internal Resistance

(Fully charged battery @ 25°C /77°F) 22 mOhms

Max. Discharge Current @ 25°C /77°F 105A (5S)

Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use 14.7 ~ 14.9V

Max. Current 1.7A

Standby Use 13.6 - 13.8V

Operating Temperature Range

Discharge -15 ~ 35°C

Charge 0 ~ 35°C

Storage -15 ~ 35°C

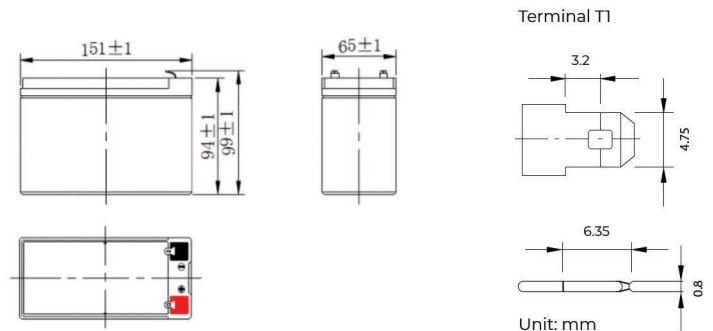
Recommended Operating Temp 15 ~ 25°C

Self-Discharge

3% of capacity declined per month @ 20°C (68°F). The batteries may be stored for up to 6 months @ 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



Dimension and Weight



Dimension (± 1mm)				Weight (± 2%)	Terminal
Length	Width	Height	Total Height		
151 mm	65 mm	95 mm	100 mm	2.14 kg	T1/T2
5.9 inch	2.6 inch	3.7 inch	3.9 inch	4.71 lbs	

Constant Current Discharge* (Amperes @25 /77°F)

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	13.02	7.34	4.03	1.77	1.35	0.74	0.38
1.65	12.47	7.06	3.94	1.73	1.33	0.73	0.38
1.70	11.92	6.78	3.84	1.69	1.30	0.72	0.38
1.75	11.37	6.51	3.75	1.63	1.28	0.71	0.38
1.80	10.82	6.26	3.66	1.58	1.26	0.69	0.36

Constant Power Discharge* (Watts/cell @25 /77°F)

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	24.94	13.76	8.25	3.81	2.46	1.50	0.81
1.65	23.94	13.21	7.88	3.71	2.42	1.48	0.79
1.70	22.93	12.75	7.50	3.61	2.37	1.47	0.78
1.75	22.10	12.20	7.13	3.51	2.33	1.45	0.78
1.80	21.09	11.74	6.85	3.39	2.27	1.43	0.73

*The mentioned data are derived from of sample test result, for reference only.

Certificates



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Graphs

