C&D TECHNOLOGIES
Power Solutions
LBT

C&D TECHNOLOGIES® LBT

C&D 12-7A LBT

VALVE REGULATED LEAD ACID BATTERY

FOR STANDBY POWER APPLICATIONS

12V 7 AH @ 20 HR Rate,

12V 25 Watts/Cell @ 15 Min Rate

APPLICATIONS

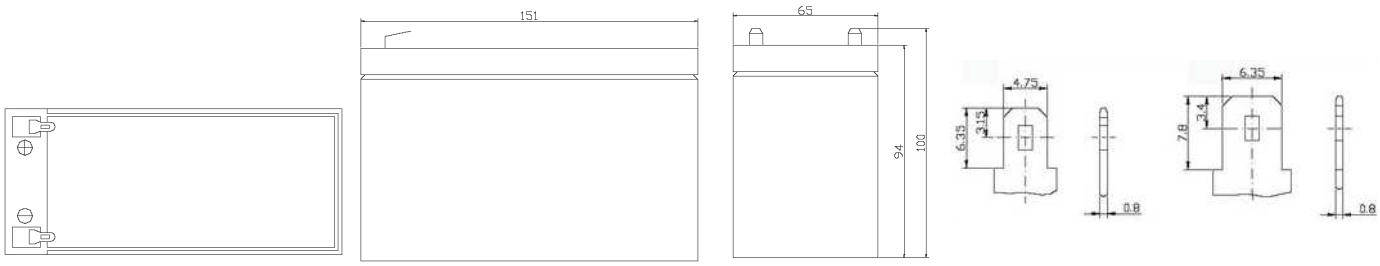
- Telecommunications
- General Purpose Applications
- Uninterrupted Power Supply (UPS)
- Other Float Applications

FEATURES

- Design life: 5 years
- Robust plate for extended life.
- Flame-arresting one-way pressure-relief vent for safety and long life.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- UL-recognized component.
- Multicell design for economy of installation and maintenance.
- Can be used in any orientation. Upright, side, or end mounting recommended.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27
- Computer designed lead, low Calcium alloy grid for minimal gassing and ease of recycling.

SPECIFICATIONS

Cells Per Unit	Voltage	Weight	Capacity		Short Circuit Current	Resistance
6	12 V	2.1 Kg	6.6 Ah (C10,1.80V)	7 Ah (C20, 1.75V)	180 Amps	25 (mΩ)



* All dimensions are in mm. All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -20℃ to 60℃ Charge: 0℃ to 50℃
Recommended Operating Temperature Range	+74°F (23°C) to +80°F (27°C).
Floating Charging Voltage	13.65 ± 0.15 VDC/unit Average at 77°F (25°C).
Recommended Maximum Charging Current Limit	C/5 amperes @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	14.4 to 14.8 VDC/unit Average at 77°F (25°C).
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 5.10 amperes RMS (C/20).
Self Discharge	Batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories	Inter unit connectors, racks and cabinet systems are available.
Terminal:	Faston Tab 187/Faston Tab 250
Container Materials	ABS (UL-94 HB)

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

Operating Time to End Point Voltage

End Voltage	Min					Hour						
Per Cell	5	10	15	30	60	2	3	4	5	8	10	20
1.85	34.5	26.6	21.6	14.7	8.8	4.63	3.29	2.64	2.59	1.44	1.13	0.48
1.80	39.3	28.6	22.9	15.1	8.9	4.71	3.32	2.66	2.60	1.44	1.15	0.50
1.75	44.0	30.6	24.3	15.4	9.1	4.78	3.34	2.68	2.61	1.45	1.17	0.52
1.70	48.8	32.0	25.7	15.8	9.3	4.86	3.37	2.70	2.62	1.45	1.19	0.55
1.67	49.8	33.0	26.3	15.9	9.3	4.87	3.37	2.70	2.62	1.45	1.20	0.56
1.60	51.2	33.0	26.7	16.2	9.3	4.90	3.38	2.71	2.64	1.47	1.22	0.59

Constant Current Discharge Table - Amps @ 25°C (77°F)

Operating Time to End Point Voltage

End Voltage	Min					Hour						
Per Cell	5	10	15	30	60	2	3	4	5	8	10	20
1.85	17.44	13.30	10.66	6.68	3.72	2.27	1.59	1.38	1.20	0.80	0.66	0.35
1.80	19.92	14.44	11.38	6.87	3.79	2.30	1.61	1.38	1.20	0.80	0.66	0.35
1.75	22.43	15.57	12.10	7.06	3.86	2.35	1.62	1.39	1.21	0.80	0.68	0.37
1.70	24.93	16.70	12.82	7.25	3.93	2.38	1.63	1.40	1.22	0.81	0.69	0.38
1.67	26.41	17.27	13.15	7.32	3.97	2.39	1.64	1.41	1.23	0.81	0.69	0.39
1.60	27.44	18.01	13.62	7.45	4.00	2.41	1.64	1.41	1.23	0.81	0.70	0.40

* All data shall be changed without prior notice, C&D reserves the right to explain and update the information contained hereinto.

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