



C&D 12-18A LBT

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS



12V 18 AH @ 20 HR Rate,

12V 67 Watts/Cell @ 15 Min Rate

FEATURES

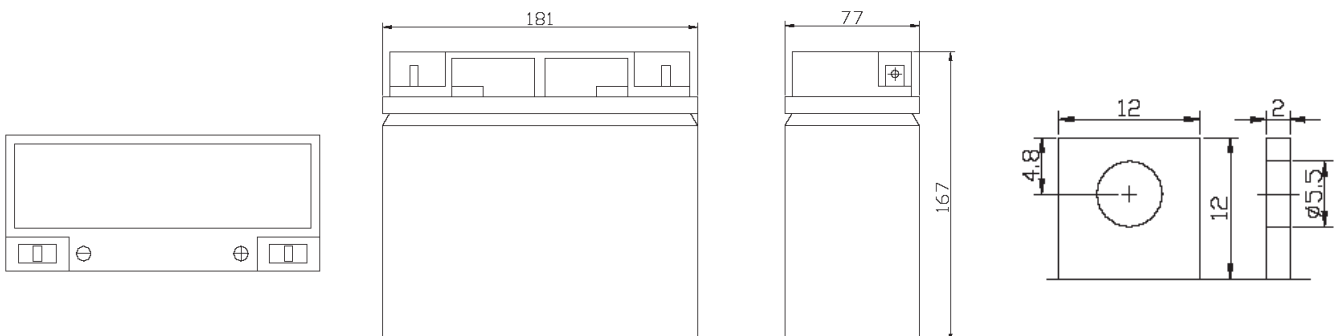
APPLICATIONS

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

- 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	5 Kg	17 Ah (C10, 1.80V)	18 Ah (C20, 1.75V)	450 Amps	14 (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°C to 60°C Charge: 0°C to 50°C
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:	"L" terminal with 5.5mm clearance hole to accept 5mm bolt.
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 Per Cell	Min					Hour						
	5	10	15	30	60	2	3	4	5	8	10	20
1.85	87.3	67.5	54.9	37.7	22.9	12.03	8.66	7.04	6.93	3.90	3.13	1.49
1.80	99.2	72.5	58.4	38.7	23.3	12.22	8.74	7.10	6.95	3.90	3.18	1.55
1.75	111.1	77.6	61.8	39.6	23.8	12.39	8.81	7.15	6.97	3.92	3.24	1.60
1.70	123.0	81.0	65.2	40.6	24.2	12.60	8.86	7.21	6.99	3.93	3.27	1.67
1.67	125.6	83.5	66.8	40.9	24.2	12.63	8.88	7.21	7.01	3.93	3.31	1.71
1.60	128.9	83.6	67.8	41.6	24.3	12.71	8.90	7.22	7.06	3.97	3.35	1.78

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

Operating Time to End Point Voltage

End Voltage Per Cell	Min					Hour						
	5	10	15	30	60	2	3	4	5	8	10	20
1.85	45.09	34.76	28.14	18.19	10.81	5.97	4.28	3.59	3.02	2.02	1.67	0.85
1.80	51.30	37.60	29.94	18.67	10.97	6.06	4.32	3.61	3.04	2.03	1.69	0.87
1.75	57.56	40.42	31.76	19.16	11.15	6.17	4.35	3.63	3.06	2.03	1.72	0.91
1.70	63.83	43.26	33.56	19.63	11.33	6.25	4.37	3.64	3.08	2.04	1.74	0.95
1.67	67.53	44.67	34.37	19.79	11.42	6.26	4.39	3.66	3.10	2.05	1.76	0.96
1.60	70.10	46.52	35.54	20.11	11.49	6.31	4.41	3.68	3.11	2.06	1.78	1.00

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