



C&D 12-127A LBT

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS

12V 127 AH @ 20 HR Rate,

12V 362 Watts/Cell @ 15 Min Rate



FEATURES

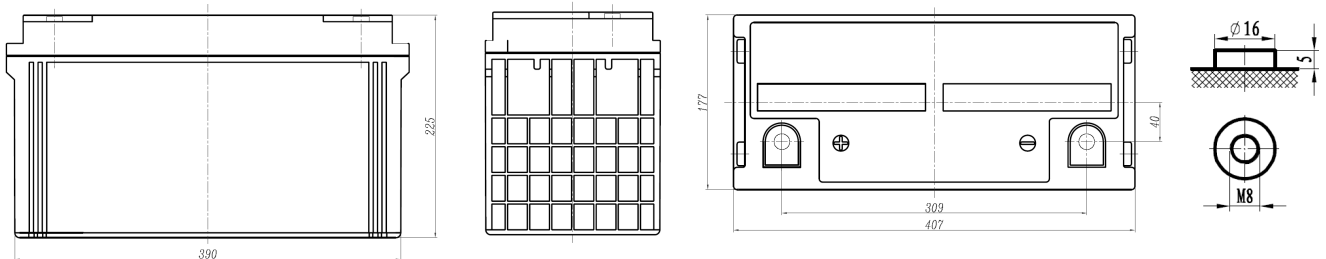
APPLICATIONS

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

- Design life: 7-10 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	35 Kg	120 Ah (C10, 1.80V)	127 Ah (C20, 1.75V)	2400 Amps	4.5 (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:	Inserted terminal to accept M8 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							
	10	15	20	30	45	50	60	90	2	3	4	5	8	10	12	20
1.80	368.1	318.6	261.0	204.3	152.3	142.1	125.8	88.8	71.2	53.2	42.7	36.7	25.7	22.0	18.5	11.4
1.75	393.8	343.4	277.4	211.5	156.4	145.2	129.9	91.2	73.0	54.3	43.4	37.1	26.2	22.5	18.9	11.7
1.70	415.5	355.7	287.7	218.7	159.5	149.3	133.0	93.3								
1.67	426.8	361.9	292.4	222.3	166.6	154.9	136.0	95.3								
1.65	438.1	368.1	297.0	225.9	173.8	160.5	139.1	97.3								

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

Operating Time to End Point Voltage

End Voltage Per Cell	Min					Hour										
	5	15	30	60	90	2	3	4	5	6	7	8	10	12	20	24
1.85		153.00	105.12	63.57	48.96	35.15	25.76	21.00	18.40	16.10	14.50	13.10	11.80	10.01	6.24	5.16
1.80		165.00	107.18	65.71	51.24	37.57	28.18	22.40	19.10	16.60	14.90	13.50	11.90	10.09	6.30	5.23
1.75		177.00	109.24	67.85	53.52	40.00	30.61	23.80	19.80	17.10	15.30	13.90	12.00	10.17	6.35	5.30

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