C&D 12-211A LBT

VALVE REGULATED LEAD ACID BATTERY

FOR STANDBY POWER APPLICATIONS

12V 211 AH @ 20 HR Rate,

12V 612 Watts/Cell @ 15 Min Rate

APPLICATIONS

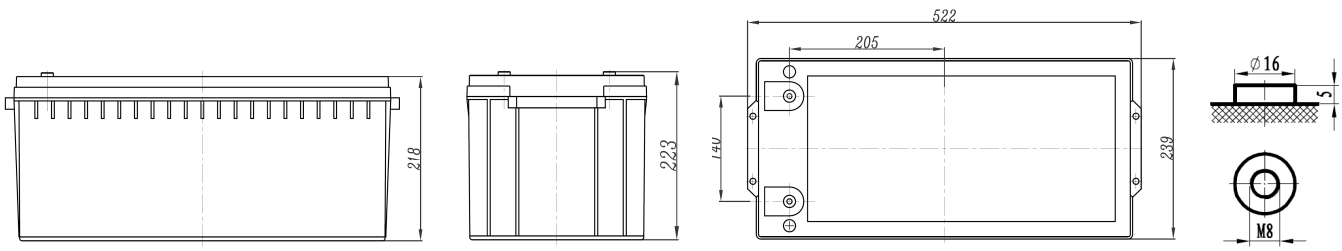
- **Telecommunications**
- **General Purpose Applications**
- **Uninterrupted Power Supply (UPS)**
- **Other Float Applications**

FEATURES

- 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	60 Kg	200 Ah (C10,1.80V)	211 Ah (C20, 1.75V)	3000 Amps	4 (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:	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	Min								Hour							
Per Cell	10	15	20	30	45	50	60	90	2	3	4	5	8	10	12	20
1.80	662.7	570.0	472.1	374.3	274.7	252.3	218.6	157.9	128.0	98.7	79.8	69.0	44.6	36.4	30.6	19.0
1.75	698.7	594.7	488.6	382.5	278.8	255.4	220.7	159.9	131.0	101.7	81.5	69.9	45.5	37.3	31.3	19.5
1.70	724.5	602.9	497.9	392.8	283.9	260.5	224.8	164.0								
1.67	737.3	612.2	504.5	396.9	287.5	263.5	226.8	165.5								
1.65	750.2	621.5	511.2	401.0	291.1	266.6	228.8	167.0								

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

Operating Time to End Point Voltage

End Voltage	Min					Hour										
Per Cell	5	15	30	60	90	2	3	4	5	6	7	8	10	12	20	24
1.85		217.00	177.22	112.22	88.08	64.74	48.89	39.90	34.60	29.70	26.20	23.60	19.80	16.74	10.45	9.11
1.80		267.00	190.61	115.28	90.87	67.27	51.31	41.10	35.20	30.10	26.50	23.80	19.90	16.82	10.50	9.15
1.75		317.00	204.00	118.34	93.67	69.79	53.73	42.30	35.80	30.50	26.80	24.00	20.00	16.91	10.55	9.19

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

C&D TECHNOLOGIES

1400 Union Meeting Road
P.O.Box 3053 • Blue Bell, PA 19422-0858
(215) 619-2700 • Fax (215) 619-7898 • (800) 543-8630

Shanghai C&D Battery Co., Ltd.

No.55 Liandu Road, Spark Development Zone,
Shanghai, P.R.C

Service Hotline: 400-678-3721

www.cdtechno.com.cn & www.cdtechno.com

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