



# C&D 12-242A LBT

## VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS

**12V 242 AH @ 20 HR Rate,**

**12V 669 Watts/Cell @ 15 Min Rate**



### FEATURES

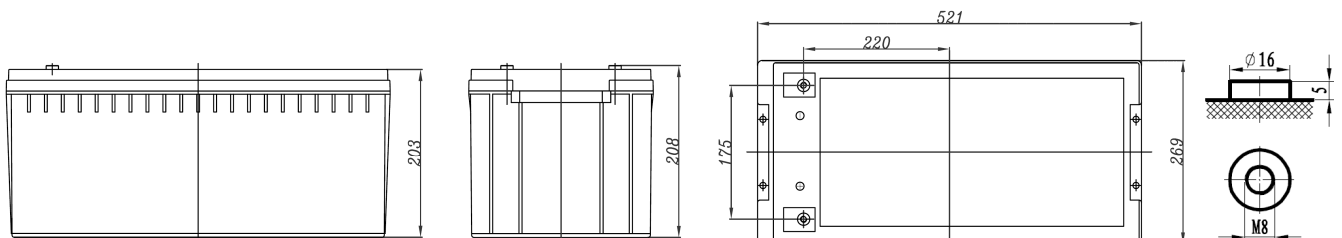
#### APPLICATIONS

- 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	67 Kg	230 Ah (C10, 1.80V)	242 Ah (C20, 1.75V)	3450 Amps	4 (mΩ)



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

## SPECIFICATIONS

<b>Operating Temperature Range with temperature compensation</b>	Discharge: -20°C to 60°C Charge: 0°C to 50°C
<b>Recommended Operating Temperature Range</b>	+74°F (23°C) to +80°F (27°C).
<b>Floating Charging Voltage</b>	13.65 ± 0.15 VDC/unit Average at 77°F (25°C).
<b>Recommended Maximum Charging Current Limit</b>	C/5 amperes @ 20 hr. rate.
<b>Equalization and Cycle Service Charging Voltage</b>	14.4 to 14.8 VDC/unit Average at 77°F (25°C).
<b>Maximum AC Ripple (Charger)</b>	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).
<b>Self Discharge</b>	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.
<b>Accessories</b>	Inter unit connectors, racks and cabinet systems are available.
<b>Terminal:</b>	Inserted terminal to accept M8 bolt.
<b>Container Materials</b>	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	668.0	647.9	551.1	454.3	351.2	323.9	282.9	204.6	165.8	125.7	99.7	85.1	54.7	44.6	37.4	23.3
1.75	736.0	657.2	557.8	458.3	354.7	327.6	286.9	207.1	167.6	127.7	100.7	85.5	54.9	44.7	37.6	23.4
1.70	796.5	665.3	563.3	461.3	356.6	330.0	290.0	209.2								
1.67	824.0	668.8	566.1	463.3	357.3	331.1	291.8	210.4								
1.65	843.3	672.3	568.8	465.3	358.1	332.3	293.6	211.6								

### 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		346.00	227.97	144.13	114.52	85.70	65.96	52.09	43.77	36.74	31.83	28.07	22.80	19.26	12.02	10.20
1.80		358.00	231.13	146.00	115.81	86.42	66.30	52.43	44.11	37.00	32.03	28.23	22.90	19.35	12.08	10.24
1.75		370.00	234.30	147.87	117.10	87.14	66.63	52.77	44.45	37.26	32.23	28.39	23.00	19.43	12.13	10.29

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