



# C&D 12-158A LBT

## VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS



**12V 158 AH @ 20 HR Rate,**

**12V 500 Watts/Cell @ 15 Min Rate**

### FEATURES

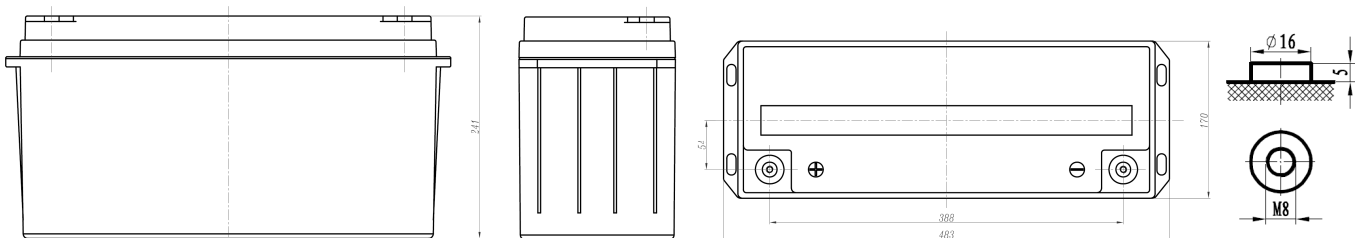
#### APPLICATIONS

- 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	44.5 Kg	150 Ah (C10, 1.80V)	158 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°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	512.3	437.1	367.0	297.0	224.8	206.4	177.8	128.6	104.7	81.3	61.9	50.7	33.4	27.6	23.2	14.4
1.75	547.3	456.7	379.4	302.2	227.8	208.4	179.9	130.6	106.8	82.6	63.1	51.8	34.1	28.2	23.7	14.7
1.70	582.3	482.4	395.9	308.3	232.9	213.5	184.0	132.7								
1.67	607.0	500.4	405.7	310.4	236.0	216.1	186.5	134.2								
1.65	631.8	518.5	415.5	312.5	239.0	218.6	189.1	135.7								

### 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		202.00	146.32	88.35	69.68	51.82	39.59	30.80	25.80	22.20	19.50	17.60	14.80	12.53	7.82	6.82
1.80		220.00	152.50	91.31	72.27	54.04	41.61	31.90	26.30	22.50	19.80	17.80	14.90	12.62	7.87	6.86
1.75		238.00	158.68	94.27	74.86	56.26	43.63	33.00	26.80	22.80	20.10	18.00	15.00	12.70	7.93	6.90

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