



C&D 12-76 LBT

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS

12V 76 AH @ 20 HR Rate,

12V 236 Watts/Cell @ 15 Min Rate



FEATURES

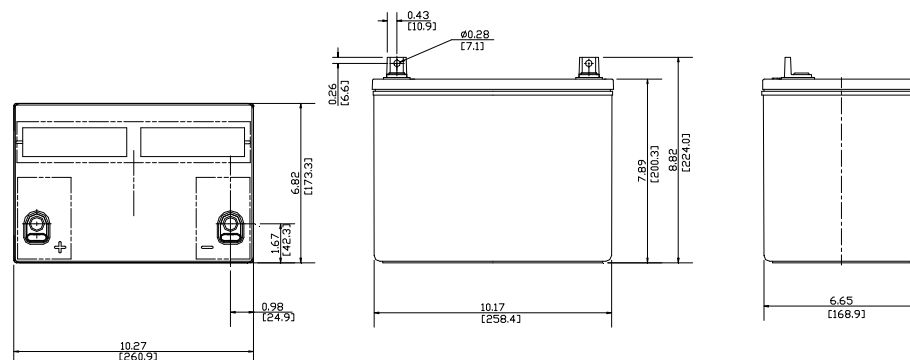
APPLICATIONS

- 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		1 Min Current to 1.75VPC	Short Circuit Current	Resistance
6	12.98V	23.3 Kg	67 Ah (C10, 1.80V)	76 Ah (C20, 1.75V)	265 Amps	1784 Amps	7.0 (mΩ)



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

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -40°F (-40°C) to +160°F (71°C). Charge: -10°F (-23°C) to +140°F (60°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	"L" terminal with 0.28" clearance hole to accept 0.25" (6mm) bolt.
Container Materials	PP (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	6	7	8	9	10	12	20	24
1.85	282.3	233.3	190.5	127.8	82.3	48.6	35.2	28.0	23.7	20.3	17.8	15.9	14.3	13.1	11.2	7.0	6.0
1.80	316.1	260.6	211.7	136.5	87.1	50.4	36.5	29.0	24.5	21.1	18.4	16.4	14.8	13.5	11.5	7.2	6.1
1.75	346.4	275.3	222.7	140.9	88.5	51.2	37.1	29.5	24.8	21.4	18.7	16.7	15.0	13.7	11.7	7.3	6.2
1.70	365.9	288.2	232.0	143.9	89.3	51.6	37.3	29.6	25.0	21.5	18.8	16.7	15.1	13.8	11.7	7.3	6.2
1.67	385.5	294.8	235.8	145.3	89.7	51.8	37.4	29.7	25.1	21.6	18.8	16.8	15.1	13.8	11.8	7.3	6.2
1.65	396.9	298.9	238.9	146.2	89.6	51.9	37.5	29.8	25.2	21.6	18.9	16.8	15.2	13.8	11.8	7.3	6.2

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	6	7	8	9	10	12	20	24
1.85	129.3	116.6	95.8	67.0	41.6	24.6	17.6	13.9	11.5	10.0	8.8	7.9	7.1	6.5	5.67	3.62	3.10
1.80	168.7	137.9	114.6	72.0	43.3	25.5	18.3	14.4	12.0	10.3	9.1	8.1	7.4	6.7	5.82	3.78	3.24
1.75	201.8	148.0	120.0	73.6	43.9	25.9	18.6	14.6	12.1	10.5	9.2	8.2	7.4	6.8	5.88	3.82	3.28
1.70	230.3	156.8	125.6	74.8	44.5	26.3	18.8	14.8	12.3	10.6	9.3	8.3	7.5	6.9	5.94	3.86	3.32

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