



C&D 12-36 LBT

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS

12V 36 AH @ 20 HR Rate,

12V 118 Watts/Cell @ 15 Min Rate



FEATURES

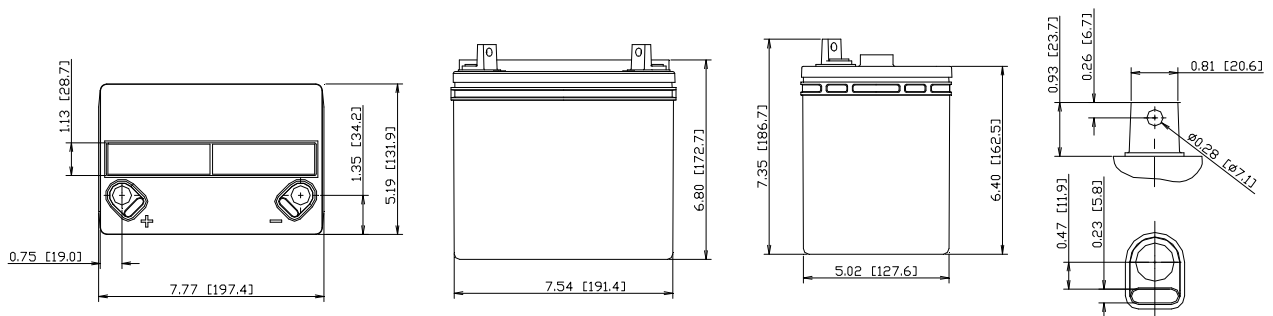
APPLICATIONS

- 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	11.3 Kg	32 Ah (C10, 1.80V)	36 Ah (C20, 1.75V)	171 Amps	1104 Amps	11.3 (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	157.8	119.4	95.3	60.7	36.8	22.0	15.9	12.6	10.5	9.0	7.9	7.1	6.4	5.8	4.9	3.0	2.5
1.80	175.8	133.2	106.3	65.5	38.8	22.8	16.4	13.0	10.8	9.3	8.2	7.4	6.6	6.0	5.0	3.1	2.6
1.75	184.5	139.9	111.3	67.7	39.5	23.0	16.6	13.2	11.0	9.5	8.3	7.5	6.7	6.1	5.1	3.1	2.6
1.70	190.9	145.9	115.3	69.1	40.0	23.2	16.7	13.2	11.0	9.5	8.4	7.5	6.7	6.1	5.1	3.1	2.6
1.67	194.6	147.4	117.3	69.9	40.3	23.3	16.8	13.3	11.1	9.5	8.4	7.5	6.7	6.1	5.1	3.1	2.6
1.65	200.4	150.3	119.3	70.8	40.5	23.4	16.8	13.3	11.1	9.6	8.4	7.5	6.7	6.1	5.1	3.1	2.6

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	78.8	60.6	48.0	30.0	18.8	11.5	8.3	6.5	5.4	4.7	4.1	3.7	3.3	3.0	2.63	1.65	1.39
1.80	90.3	68.5	55.0	33.1	20.2	12.2	8.7	6.8	5.6	4.9	4.3	3.9	3.5	3.2	2.76	1.74	1.46
1.75	96.6	73.1	57.6	34.2	20.6	12.4	8.9	6.9	5.7	5.0	4.4	3.9	3.5	3.2	2.78	1.75	1.48
1.70	101.4	76.1	60.0	35.1	21.0	12.6	9.0	7.0	5.8	5.1	4.4	4.0	3.5	3.2	2.80	1.77	1.49

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