



C&D 12-34 LBT

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS



12V 34 AH @ 20 HR Rate,

12V 106 Watts/Cell @ 15 Min Rate

FEATURES

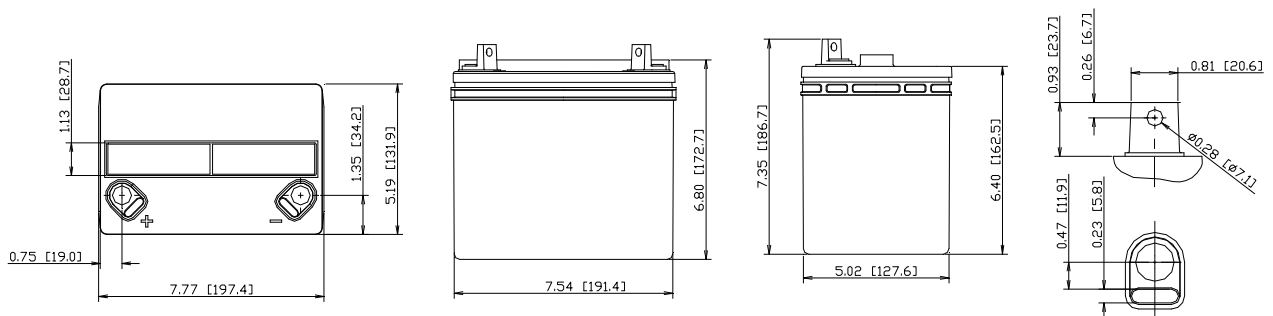
APPLICATIONS

- 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 Kg	29 Ah (C10, 1.80V)	34 Ah (C20, 1.75V)	160 Amps	934 Amps	13.3 (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	149.1	111.9	90.1	59.3	36.7	21.3	15.3	12.1	10.0	8.6	7.6	6.7	6.1	5.5	4.7	2.9	2.4
1.80	163.0	122.1	98.5	62.6	38.7	22.6	16.0	12.5	10.3	8.8	7.7	6.8	6.2	5.6	4.8	3.0	2.5
1.75	168.5	127.3	101.9	64.1	39.2	22.9	16.2	12.7	10.5	8.9	7.8	6.9	6.2	5.7	4.8	3.0	2.5
1.70	172.9	131.0	104.5	65.0	39.7	23.0	16.3	12.7	10.5	9.0	7.8	7.0	6.3	5.7	4.8	3.1	2.6
1.67	175.6	133.3	106.1	65.6	39.9	23.1	16.3	12.8	10.5	9.0	7.9	7.0	6.3	5.7	4.9	3.1	2.6
1.65	177.4	134.9	106.9	66.0	40.2	23.1	16.4	12.8	10.5	9.0	7.9	7.0	6.3	5.7	4.9	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	70.0	53.0	41.1	26.8	17.8	11.2	7.9	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.51	1.62	1.39
1.80	84.2	62.7	48.4	29.8	18.7	11.8	8.3	6.4	5.3	4.6	4.0	3.6	3.2	2.9	2.61	1.69	1.45
1.75	87.8	64.7	50.1	30.6	19.0	12.0	8.4	6.5	5.3	4.6	4.1	3.6	3.3	3.0	2.64	1.71	1.47
1.70	90.4	66.7	51.7	31.4	19.4	12.1	8.5	6.6	5.4	4.7	4.1	3.7	3.3	3.0	2.67	1.72	1.48

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