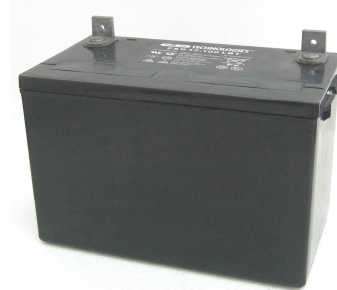




# C&D 12-100 LBT

## VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS



**12V 100 AH @ 20 HR Rate,**

**12V 315 Watts/Cell @ 15 Min Rate**

### FEATURES

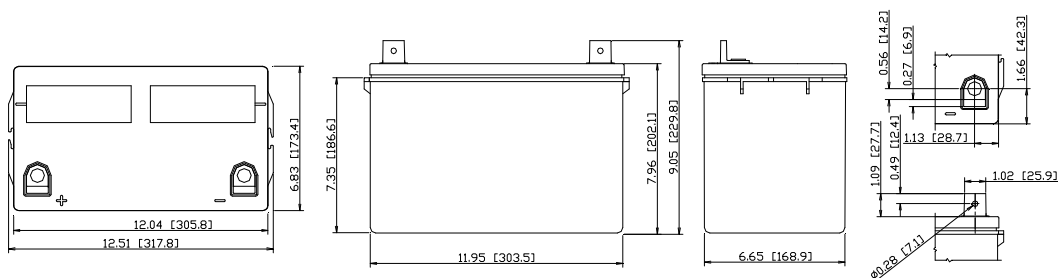
#### APPLICATIONS

- 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	29 Kg	88 Ah (C10, 1.80V)	100 Ah (C20, 1.75V)	347 Amps	2405 Amps	5.2 (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	365.9	307.2	257.3	172.7	112.1	63.6	45.5	35.9	29.8	25.6	22.6	20.2	18.4	16.7	14.1	8.7	7.4
1.80	456.0	339.1	286.3	183.1	117.3	66.2	47.3	37.2	30.9	26.5	23.3	21.0	18.9	17.1	14.5	9.1	7.7
1.75	488.5	359.7	296.3	189.3	120.1	67.5	48.1	37.8	31.3	26.8	23.5	21.1	19.0	17.2	14.6	9.2	7.8
1.70	505.3	372.5	308.3	194.9	121.1	68.0	48.4	38.0	31.5	27.1	23.7	21.2	19.1	17.4	14.8	9.3	7.9
1.67	515.7	383.9	314.3	197.2	121.7	68.3	48.6	38.1	31.6	27.2	23.8	21.2	19.2	17.4	14.9	9.3	7.9
1.65	522.7	392.2	319.3	198.8	122.3	68.5	48.7	38.2	31.7	27.3	23.9	21.2	19.2	17.5	14.9	9.3	7.9

### 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	168.0	157.3	134.3	91.6	57.1	34.3	24.1	18.7	15.4	13.2	11.6	10.3	9.3	8.5	7.31	4.71	4.01
1.80	202.4	175.1	151.3	99.6	59.7	35.6	25.1	19.5	16.1	13.8	12.0	10.7	9.7	8.8	7.58	4.87	4.14
1.75	247.4	192.0	160.0	103.0	61.1	35.8	25.3	19.7	16.2	13.9	12.2	10.9	9.8	9.0	7.74	5.00	4.26
1.70	282.8	205.8	168.0	105.0	62.5	36.2	25.5	19.8	16.3	14.0	12.3	10.9	9.9	9.0	7.79	5.03	4.29

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