



C&D 12-200 DNT

Valve Regulated Lead Acid Battery For UPS Standby Power Applications

12V 200 Watts/Cell @ 15 Min Rate

12V 56 AH @ 20 HR Rate



APPLICATIONS

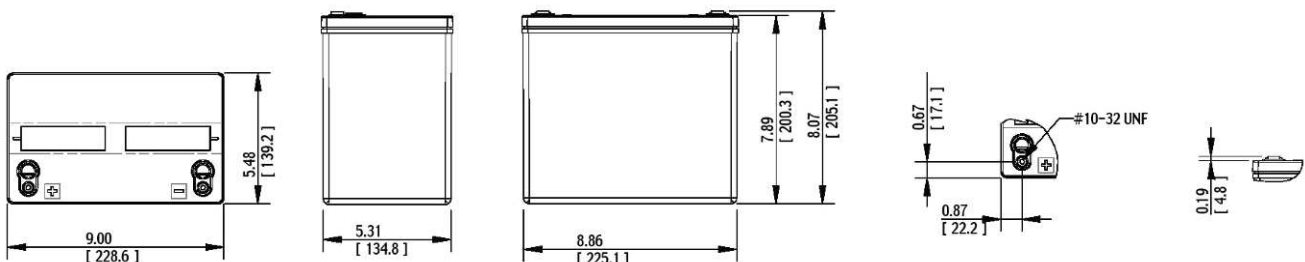
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

FEATURES

- Design life:12 year
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Patented Long Life Alloy having the lowest calcium levels in the industry - minimizing grid growth, reducing gassing, and extending battery life
- Patented UL Recognized Flame-arresting vents in each cell for safety and long life.
- Designed with the same recombination, thermal runaway prevention, gassing and flame retardant characteristics of the Bellcore 4228
- Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- Can be operated in any orientation. Upright, side or end mounting recommended.
- Not restricted for air transport -Complies with IATA/ICAO Special Provisions A67.
- Not restricted for surface transport - Classified as non-hazardous material as related to DOT-CFR Title 49 parts171-189
- Not restricted for water transport - Classified as non-hazardous material per IMDG Amendment 27.

SPECIFICATIONS

Cell Per Unit	Voltage	Weight	Capacity		1 Min Current to 1.75VPC	Short Circuit Current	Resistance
6	12.98V	17.7 Kg	50 Ah (C10,1.80V)	56 Ah (C20,1.75V)	320 Amps	1472 Amps	8.58 (mΩ)



*All dimensions in inches and (millimeters). 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)
Nominal Operating Temperature Range	+74° F (23° C) to +80° F (27° C)
Recommended Maximum Charging Current Limit	C/5 amperes @ 20hr rate
Float Charging Voltage	13.65 ± 0.15 VDC average per 12V unit. (6.75 to 6.90 per 6V unit)
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Max voltage allowed = 1.4% RMS (4% P-P) Max current allowed = C/20
Self Discharge	Battery can be stored up to 6 months at 77° F (25° C) before a freshening charge is required. Batteries stored at temperatures greater than 77° F (25° C) will require recharge sooner than batteries stored at lower temperatures. See C&D brochure 41-7272, Self-Discharge and Inventory Control for details.
Equalize charge and cycle service voltage	14.40 to 14.80 VDC average per 12V unit @ 77° F (25° C) (7.20 to 7.40 VDC per 6V unit.)
Terminal: Inserted	Threaded copper alloy insert terminal to accept #10-32UNF bolt
Container and Cover Materials	PP (UL-94 V2)

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	278.6	208.5	168.6	106.4	66.1	37.4	26.7	21.0	17.4	15.0	13.0	11.5	10.4	9.4	7.9	4.9	4.2
1.80	305.6	229.4	185.0	113.6	69.3	39.0	27.8	21.8	18.0	15.7	13.6	12.0	10.7	9.7	8.2	5.0	4.2
1.78	312.4	235.1	189.1	115.2	69.9	39.3	27.9	21.9	18.1	15.8	13.7	12.1	10.8	9.8	8.2	5.1	4.2
1.75	322.8	241.4	193.3	117.7	70.1	39.7	28.2	22.1	18.3	15.9	13.8	12.2	10.9	9.9	8.3	5.1	4.3
1.73	326.6	244.2	195.3	118.6	70.4	39.8	28.3	22.1	18.3	15.9	13.8	12.2	10.9	9.9	8.3	5.1	4.3
1.70	332.3	248.6	197.3	119.5	70.6	39.5	28.2	22.3	18.5	16.0	13.8	12.2	10.9	9.9	8.4	5.1	4.3
1.67	338.1	252.9	199.3	120.4	70.8	39.8	28.4	22.4	18.6	16.0	13.9	12.3	11.0	9.9	8.4	5.2	4.3
1.65	341.4	255.9	201.3	121.3	71.0	39.9	28.5	22.4	18.7	16.0	13.9	12.3	11.0	10.0	8.4	5.2	4.4

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
1.94	77.3	77.3	67.7	44.1	27.4	15.5	10.9	8.4	6.9	6.0	5.2	4.7	4.2	3.8	3.35	2.17	1.84
1.90	114.4	98.6	78.2	49.7	31.3	17.5	12.3	9.5	7.8	6.8	5.9	5.2	4.7	4.3	3.76	2.42	2.06
1.85	149.6	113.6	89.9	55.2	34.7	19.3	13.5	10.5	8.6	7.4	6.4	5.7	5.2	4.7	4.08	2.62	2.23
1.83	155.0	118.1	93.2	56.6	35.4	19.7	13.8	10.7	8.7	7.5	6.6	5.8	5.2	4.8	4.15	2.66	2.26
1.80	163.4	124.6	98.3	58.8	36.5	20.3	14.1	10.9	9.0	7.7	6.7	6.0	5.4	4.9	4.25	2.72	2.31
1.78	166.3	126.6	100.0	59.6	36.7	20.4	14.3	11.0	9.0	7.8	6.8	6.0	5.4	4.9	4.28	2.74	2.33
1.75	169.1	128.3	101.7	60.6	36.9	20.7	14.4	11.2	9.1	7.9	6.9	6.1	5.5	5.0	4.32	2.77	2.35
1.70	173.1	131.3	104.1	61.4	37.3	20.9	14.6	11.3	9.2	7.9	6.9	6.1	5.5	5.0	4.35	2.78	2.36

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