



C&D 12-130 DNT

Valve Regulated Lead Acid Battery

For UPS Standby Power Applications

12V 130 Watts/Cell @ 15 Min Rate

12V 36 AH @ 20 HR Rate



APPLICATIONS

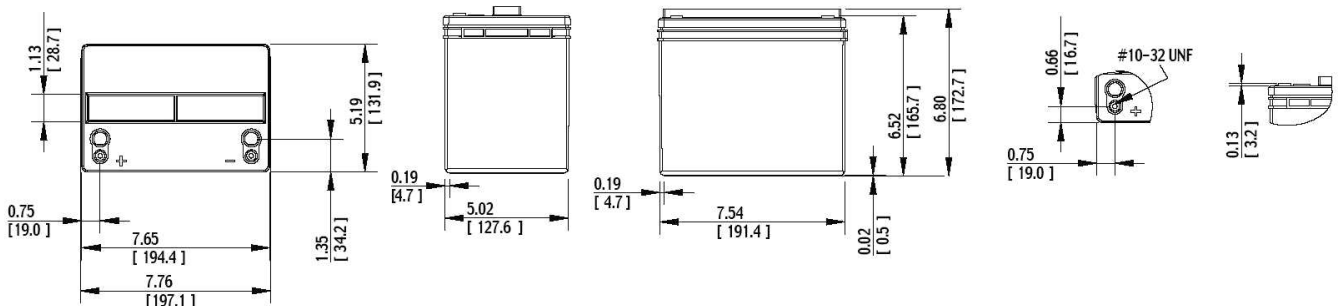
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

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	11.5 Kg	32 Ah (C10,1.80V)	36 Ah (C20,1.75V)	216 Amps	1321 Amps	9.38 (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	184.8	140.0	111.8	69.2	42.2	24.8	17.5	13.7	11.3	9.7	8.4	7.4	6.6	6.0	5.0	3.0	2.5
1.80	203.6	154.8	123.1	74.1	44.5	26.0	18.3	14.2	11.8	10.1	8.7	7.7	6.9	6.2	5.2	3.1	2.6
1.78	208.8	158.9	126.3	75.8	45.3	26.2	18.5	14.4	11.9	10.2	8.8	7.7	6.9	6.2	5.2	3.1	2.6
1.75	213.4	165.1	129.0	77.5	45.8	26.3	18.6	14.5	12.0	10.2	8.8	7.8	6.9	6.3	5.3	3.2	2.6
1.73	216.1	167.6	130.7	78.1	46.3	26.4	18.7	14.5	12.0	10.3	8.9	7.8	7.0	6.3	5.3	3.2	2.6
1.70	220.2	171.5	133.2	79.1	46.6	26.5	18.8	14.6	12.0	10.3	8.9	7.8	7.0	6.3	5.3	3.2	2.6
1.67	224.3	175.4	134.3	80.1	46.9	26.6	18.8	14.6	12.1	10.3	8.9	7.8	7.0	6.3	5.3	3.2	2.7
1.65	227.2	178.1	136.3	80.7	47.2	26.7	18.9	14.7	12.1	10.3	8.9	7.8	7.0	6.3	5.3	3.2	2.7

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	51.4	51.4	44.2	28.5	17.6	9.9	6.9	5.3	4.3	3.8	3.3	2.9	2.6	2.4	2.09	1.34	1.13
1.90	76.4	66.3	52.0	32.5	20.4	11.4	7.9	6.1	5.0	4.3	3.8	3.3	3.0	2.7	2.38	1.52	1.29
1.85	99.7	75.8	59.7	36.2	22.8	12.7	8.8	6.8	5.5	4.8	4.1	3.7	3.3	3.0	2.62	1.67	1.41
1.83	103.6	78.6	62.0	37.2	23.3	12.9	9.0	6.9	5.6	4.8	4.2	3.7	3.4	3.0	2.66	1.70	1.43
1.80	109.5	83.0	65.6	38.8	24.1	13.3	9.2	7.1	5.8	5.0	4.3	3.8	3.4	3.1	2.73	1.74	1.46
1.78	113.2	85.3	67.1	39.4	24.3	13.4	9.3	7.1	5.8	5.0	4.4	3.9	3.5	3.1	2.74	1.74	1.47
1.75	115.5	87.0	68.5	40.4	24.5	13.5	9.4	7.2	5.9	5.1	4.4	3.9	3.5	3.2	2.77	1.76	1.48
1.70	118.8	90.4	71.2	41.1	24.9	13.7	9.5	7.3	5.9	5.1	4.4	3.9	3.5	3.2	2.78	1.77	1.50

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