



C&D 12-370 DNT

Valve Regulated Lead Acid Battery For UPS Standby Power Applications



12V 370 Watts/Cell @ 15 Min Rate

12V 102 AH @ 20 HR Rate

APPLICATIONS

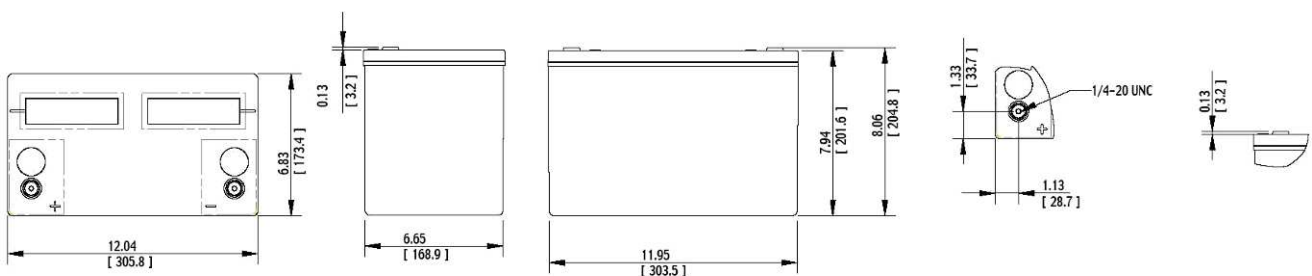
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

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	31.5 Kg	93 Ah (C10,1.80V)	102Ah (C20,1.75V)	541 Amps	2734 Amps	4.65 (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 1/4-20 UNC 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	522.5	390.8	310.0	205.5	130.9	72.9	51.7	40.5	33.5	28.8	25.1	22.2	19.9	18.1	15.2	9.5	8.0
1.80	571.4	434.7	339.1	218.5	137.0	75.8	53.5	42.5	34.3	29.4	25.6	22.7	20.4	18.5	15.7	9.8	8.3
1.78	584.5	446.6	346.9	221.7	138.2	76.3	53.8	41.9	34.5	29.5	25.7	22.8	20.5	18.6	15.8	10.0	8.5
1.75	604.6	460.3	358.8	226.7	139.4	76.8	54.1	42.3	34.6	29.6	25.8	22.9	20.6	18.7	15.9	10.1	8.5
1.73	611.5	466.7	362.9	228.3	140.6	77.3	54.4	42.4	34.8	29.7	25.9	23.0	20.7	18.8	16.0	10.1	8.5
1.70	622.1	474.1	369.2	230.8	141.8	77.7	54.6	42.5	34.9	29.8	26.0	23.1	20.8	18.8	16.0	10.1	8.6
1.67	632.8	484.1	375.6	233.3	143.0	78.1	54.9	42.7	35.1	29.9	26.1	23.2	20.8	18.9	16.1	10.1	8.6
1.65	640.1	490.8	379.9	235.0	144.2	78.5	55.0	42.8	35.2	30.0	26.2	23.2	20.9	18.9	16.1	10.2	8.6

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
1.94	157.0	148.9	139.0	89.1	54.0	29.9	20.9	16.2	13.3	11.5	10.0	8.9	8.0	7.3	6.31	4.05	3.44
1.90	215.8	189.5	157.6	101.3	60.7	33.5	23.4	18.2	14.9	12.8	11.2	9.9	9.0	8.2	7.03	4.51	3.83
1.85	289.3	221.0	176.0	112.5	66.4	36.5	25.5	19.8	16.2	13.9	12.1	10.8	9.7	8.8	7.59	4.86	4.13
1.83	300.5	229.1	181.3	115.5	67.0	37.2	25.9	20.1	16.5	14.1	12.3	10.9	9.8	9.0	7.70	4.91	4.18
1.80	314.8	239.4	190.0	120.5	68.3	37.6	26.3	20.4	16.8	14.4	12.5	11.2	10.1	9.2	7.89	5.05	4.30
1.78	321.4	244.6	194.0	122.0	69.0	37.9	26.5	20.6	16.9	14.5	12.6	11.2	10.1	9.2	7.93	5.08	4.32
1.75	328.3	249.3	198.2	123.5	70.0	38.4	26.9	20.8	17.1	14.6	12.8	11.3	10.2	9.3	8.01	5.12	4.35
1.70	336.8	255.0	203.3	126.2	70.9	38.8	27.1	21.0	17.2	14.7	12.9	11.4	10.3	9.4	8.06	5.15	4.37

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