



C&D 12-675A DNT

Valve Regulated Lead Acid Battery For UPS Standby Power Applications

12V 675 Watts/Cell @ 15 Min Rate

12V 200 AH @ 20 HR Rate



APPLICATIONS

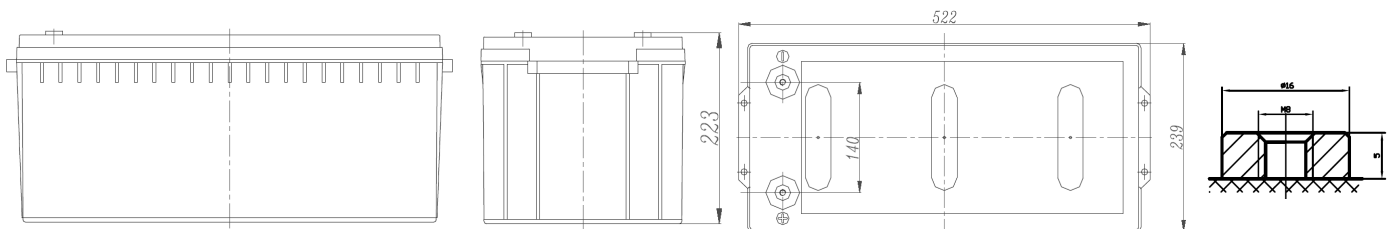
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

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		Max. Discharge Current	Resistance
6	12 V	62.5 Kg	187 Ah (C10,1.80V)	200 Ah (C20,1.75V)	2000 Amps (5Sec)	5 (mΩ)



*All dimensions in millimeters. All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -20°C to 60°C Charge: 0°C to 50°C
Nominal Operating Temperature Range	23°C to 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:	Threaded copper alloy insert terminal to accept M8 bolt
Container and Cover Materials	ABS (UL-94 HB), UL-94 V2, V0 is optional

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	20	30	45	50	60	90	2	3	4	5	8	10	12	20
1.85	915	659.8	570.3	471.7	394.7	287.0	263.5	229.8	163.0	128.4	93.9	75.9	65.0	43.8	36.3	30.5	19.0
1.80	955	745.7	620.0	507.3	422.2	304.5	278.7	241.9	170.2	133.1	96.8	78.0	66.7	44.9	37.2	31.3	19.5
1.75	994	807.8	648.7	528.7	438.3	314.8	287.7	249.2	174.9	136.5	98.8	79.4	67.7	45.6	37.8	31.8	19.8
1.70	1026.7	837.0	668.7	544.0	448.3	321.3	293.2	253.7	177.6								
1.67	1050	845.8	675.8	548.7	450.5	322.8	294.8	255.2	178.6								
1.65	1081	857.0	684.0	554.7	454.5	325.3	296.8	256.8	179.5								

Constant Current Discharge Table - Amps @ 25°C (77°F)

Operating Time to End Point Voltage

End Voltage Per Cell	Hour															
	0.5	1	2	3	4	5	6	7	8	10	12	14	16	18	20	24
1.85	198.7	114.2	64.2	46.9	38	32.64	28.14	24.67	21.97	18.23	15.34	13.29	11.75	10.55	9.59	8.11
1.80	214	121.3	66.5	48.4	39.1	33.48	28.87	25.3	22.54	18.69	15.74	13.64	12.05	10.82	9.84	8.32
1.75	222.2	125	68.2	49.3	39.7	33.98	29.31	25.69	22.87	18.98	15.98	13.85	12.24	10.99	9.99	8.45

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