



C&D 12-25A DNT

Valve Regulated Lead Acid Battery For UPS Standby Power Applications

12V 25 Watts/Cell @ 15 Min Rate

12V 7 AH @ 20 HR Rate



APPLICATIONS

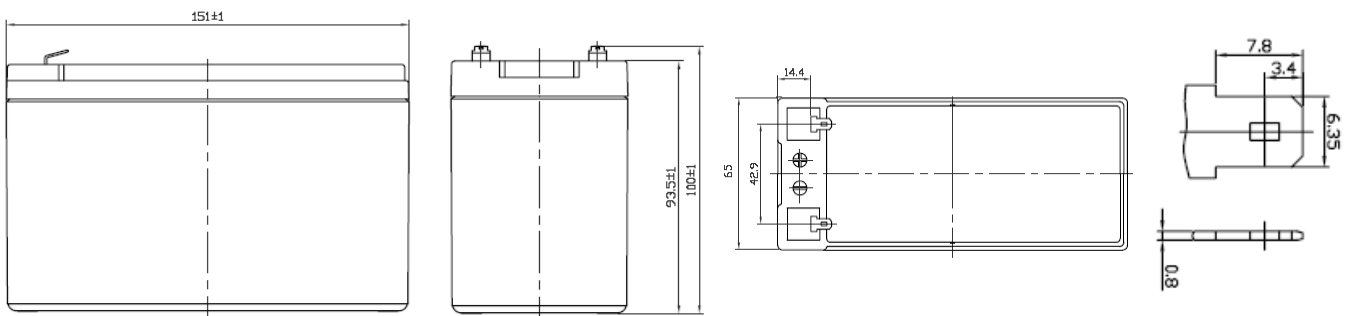
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

FEATURES

- Design life: 5 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	12V	2.2 Kg	6.8 Ah (C10,1.80V)	7 Ah (C20,1.75V)	70 Amps (5Sec)	18 (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:	Faston Tab 250
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							
	10	15	20	25	30	45	50	60	90	2	3	4	5	8	10	12	20
1.85	28.3	22.8	18.2	15.7	13.3	9.5	8.7	7.5	5.4	4.2	2.7	2.4	2.0	1.3	1.1	0.8	0.5
1.80	30.3	24.2	19.2	16.7	14.2	10.0	9.2	7.8	5.7	4.4	3.0	2.4	2.0	1.3	1.1	1.0	0.5
1.75	33.0	25.3	20.0	17.3	14.7	10.3	9.5	8.0	5.9	4.5	3.0	2.5	2.0	1.5	1.1	1.0	0.5
1.70	34.2	26.2	20.7	17.8	15.0	10.7	9.7	8.2	5.9								
1.67	34.5	26.5	20.8	18.0	15.2	10.7	9.7	8.3	5.9								
1.65	35.0	26.7	21.0	18.2	15.5	10.8	9.8	8.3	6.0								

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	6	3.1	2.1	1.5	1.2	1.08	0.98	0.78	0.68	0.58	0.51	0.46	0.40	0.36	0.33	0.27
1.80	6.5	3.3	2.1	1.5	1.3	1.18	0.98	0.88	0.78	0.68	0.53	0.46	0.41	0.37	0.34	0.28
1.75	6.8	3.41	2.19	1.53	1.3	1.18	0.98	0.88	0.78	0.64	0.54	0.48	0.42	0.37	0.34	0.28

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