C&D TECHNOLOGIES
Power Solutions
DNT

C&D TECHNOLOGIES® DNT

C&D 12-65A DNT

Valve Regulated Lead Acid Battery

For UPS Standby Power Applications

12V 65 Watts/Cell @ 15 Min Rate

12V 17 AH @ 20 HR Rate

APPLICATIONS

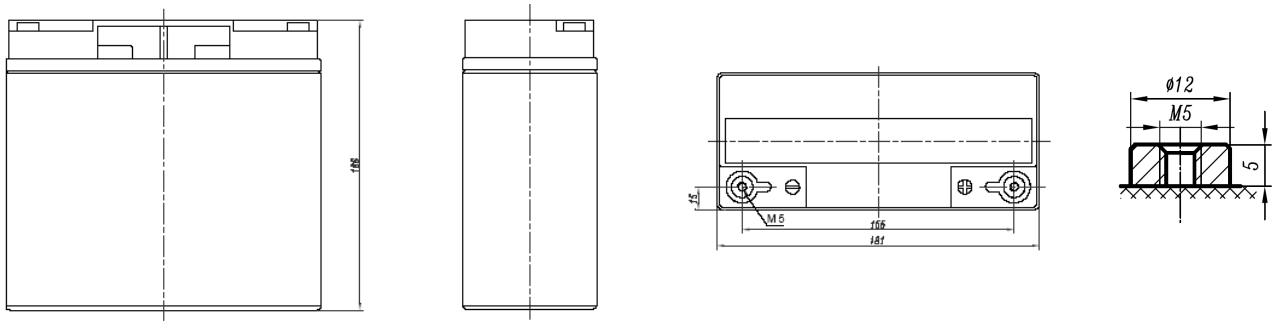
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

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	12 V	5.6 Kg	16 Ah (C10,1.80V)	17 Ah (C20,1.75V)	180 Amps (5Sec)	12 (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℃ to 60℃ Charge: 0℃ to 50℃
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 M5 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	Min									Hour							
Per Cell	10	15	20	25	30	45	50	60	90	2	3	4	5	8	10	12	20
1.85	69.8	56.5	45.0	39.2	33.2	24.0	22.0	19.2	13.5	10.7	7.7	6.2	5.2	3.5	3.0	2.4	1.4
1.80	74.8	59.8	47.5	41.3	35.3	25.3	23.2	20.0	14.2	11.0	8.0	6.4	5.4	3.6	3.0	2.5	1.5
1.75	81.0	62.5	49.5	43.2	36.7	26.2	23.8	20.5	14.5	11.4	8.2	6.5	5.5	3.6	3.0	2.5	1.5
1.70	84.0	64.5	51.0	44.2	37.5	26.7	24.3	21.0	14.7								
1.67	84.8	65.2	51.3	44.5	37.7	26.8	24.5	21.2	14.9								
1.65	86.0	66.0	52.0	45.0	38.0	27.0	24.7	21.2	14.9								

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

Operating Time to End Point Voltage

End Voltage	Hour															
Per Cell	0.5	1	2	3	4	5	6	7	8	10	12	14	16	18	20	24
1.85	16.1	8.87	5.27	3.81	3.13	2.76	2.37	2.08	1.85	1.53	1.29	1.12	0.99	0.89	0.81	0.69
1.80	17.3	9.4	5.47	3.93	3.23	2.83	2.44	2.13	1.9	1.57	1.32	1.15	1.02	0.91	0.83	0.70
1.75	18	9.7	5.6	4	3.3	2.88	2.48	2.18	1.93	1.59	1.34	1.17	1.03	0.93	0.84	0.71

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

C&D TECHNOLOGIES

1400 Union Meeting Road
P.O.Box 3053 • Blue Bell, PA 19422-0858
(215) 619-2700 • Fax (215) 619-7898 • (800) 543-8630

Shanghai C&D Battery Co., Ltd.

No.55 Liandu Road, Spark Development Zone,
Shanghai, P.R.C

Service Hotline: 400-678-3721

www.cdtechno.com.cn & www.cdtechno.com