



C&D 6-630A DNT

Valve Regulated Lead Acid Battery

For UPS Standby Power Applications

6V 630 Watts/Cell @ 15 Min Rate

6V 180 AH @ 20 HR Rate



APPLICATIONS

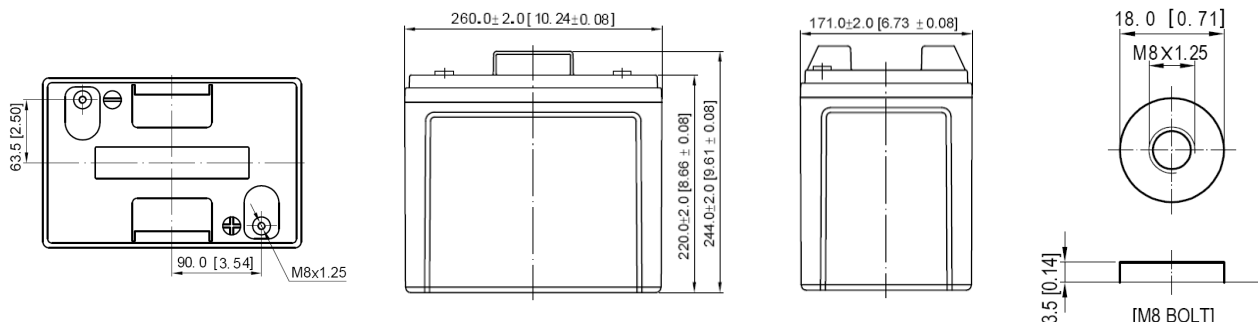
- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

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 upright, side or end mounting orientation.
- 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 parts 171-189
- Not restricted for water transport - Classified as non-hazardous material per IMDG Amendment 27.

SPECIFICATIONS

Cells Per Unit	Voltage	Weight	IEC Rating (C10, 1.80V @ 20°C)	Capacity (C20, 1.75V @ 25°C)	Max. Discharge Current	Short Circuit Current	Resistance
3	6V	28.8 Kg	163 Ah	180Ah	800 Amps (5Sec)	3100 Amps	2.5 (mΩ)



*All dimensions in millimeters and (inches). 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	6.75 to 6.90 VDC average 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	7.20 to 7.40 VDC average per 6V unit @ 77° F (25° C)
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

EPV	10 min	15 min	20 min	25 min	30 min	45 min	50 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	602.0	531.3	460.3	411.7	363.0	284.7	251.0	207.4	147.0	115.8	84.8	68.5	58.8	39.6	32.8	27.6	17.3
1.80	670.0	577.3	517.7	453.0	388.3	302.0	265.3	218.4	153.4	120.0	87.4	70.5	60.3	40.6	33.7	28.4	17.8
1.75	700.0	604.0	539.3	471.3	403.0	312.3	274.0	224.9	157.7	123.1	89.2	71.7	61.2	41.2	34.2	28.8	18.0
1.70	763.7	622.7	555.0	483.7	412.3	318.7	279.3	228.9	160.1								
1.67	771.7	629.3	559.7	487.0	414.0	320.3	280.7	230.3	161.0								
1.65	782.0	637.0	566.0	492.0	418.0	322.7	282.7	231.7	161.8								

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

Operating Time to End Point Voltage

EPV	0.5 hr	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	14 hr	16 hr	18 hr	20 hr	24 hr
1.85	183.3	103.7	57.9	42.4	34.3	29.4	25.34	22.22	19.79	16.42	13.82	11.97	10.58	9.5	8.64	7.31
1.80	197.4	110.1	60	43.7	35.2	30.15	26.07	22.85	20.3	16.84	14.22	12.32	10.89	9.78	8.89	7.52
1.75	204.9	113.4	61.5	44.6	35.8	30.6	26.4	23.14	20.6	17.1	14.4	12.47	11.03	9.9	9	7.61

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