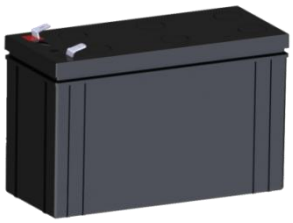
C&D TECHNOLOGIES
Power Solutions

C&D® DYNASTY® UPS

12-1054

RETURN RECYCLE LEAD

HIGH RATE MAX XT



UPS12-34 MRX

Valve Regulated Lead Acid Battery

Designed for UPS Standby Power Applications

APPLICATIONS

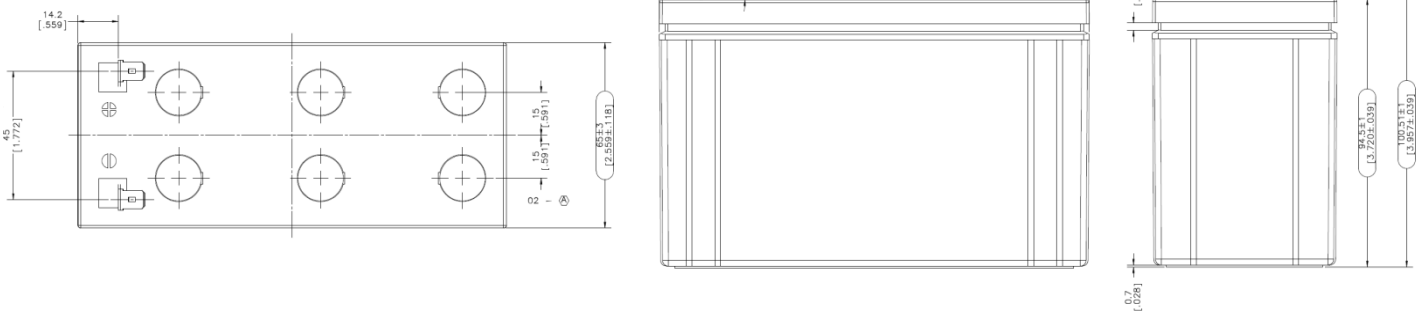
- **UPS**
- **Power Packs**
- **Lightings**
- **Security System**
- **Control System**
- **Hospital and Testing Laboratories**
- **Emergency Response Center**

FEATURES AND BENEFITS

- 8 year design life
- 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 compliant Dynasty Telecom products.
- Polypropylene case and cover compliant with UL94 HB, V-2, V-0 optional
- 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.
- Thermally welded case-to-cover bond to eliminate leakage
- 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 parts171-189
- Not restricted for water transport - Classified as non-hazardous material per IMDG Amendment 27.

Specifications

Cells Per Unit	Voltage Per Unit	Weight	Watts/Cell @ 15min	Capacity (C10,1.80V, 25℃)	Capacity (C20,1.75V,25℃)	Dimension/mm(L*W*H(TH))
6	12V	2.52 Kg	34	6.9 Ah	7.8 Ah	151*65*94(100)



*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: -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
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 4 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)
Terminal	Faston Tab 250
Terminal Hardware Initial Torque	30 in.-lbs. (3.4 N-m)

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

Operating Time to End Point Voltage

EPV	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.85	54.1	39.2	30.8	17.9	10.8	7.8	6.05	4.23	2.66	1.79	1.45	0.77
1.80	57.7	42.5	32.6	18.2	10.9	8.0	6.13	4.29	2.69	1.81	1.47	0.79
1.75	61.3	44.4	33.6	18.6	11.1	8.1	6.22	4.34	2.72	1.82	1.48	0.80
1.70	64.7	45.1	32.2	18.9	11.2	8.2	6.30	4.39	2.75	1.84	1.49	0.81
1.67	66.4	45.8	34.2	19.1	11.3	8.2	6.34	4.41	2.77	1.85	1.52	0.82
1.60	70.1	46.5	34.5	19.5	11.4	8.3	6.44	4.46	2.82	1.89	1.53	0.83

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

Operating Time to End Point Voltage

EPV	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.85	27.4	19.5	15.3	9.1	5.5	3.9	2.9	2.0	1.2	0.82	0.67	0.37
1.80	30.4	20.8	16.1	9.5	5.6	3.9	3.0	2.0	1.2	0.83	0.69	0.39
1.75	33.1	21.9	16.9	9.8	5.6	4.0	3.0	2.0	1.2	0.84	0.70	0.39
1.70	35.7	22.9	17.5	10.0	5.7	4.1	3.1	2.1	1.3	0.85	0.70	0.40
1.67	37.0	23.5	17.8	10.1	5.8	4.1	3.1	2.1	1.3	0.86	0.71	0.41
1.60	39.8	24.6	18.5	10.4	5.9	4.2	3.2	2.1	1.3	0.88	0.72	0.42

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

C&D TECHNOLOGIES

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