



**HIGH
RATE
MAX** XT



UPS12-200MRX

Valve Regulated Lead Acid Battery

Designed for UPS Standby Power Applications

FEATURES AND BENEFITS

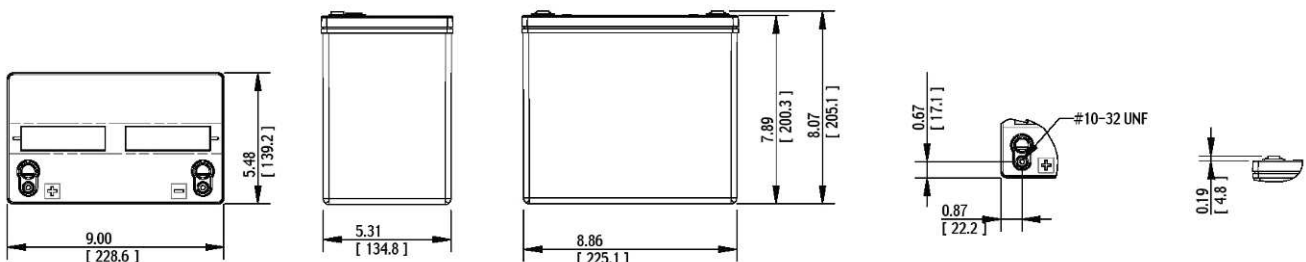
APPLICATIONS

- 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

- 10 year design life @ 25°C
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- 3 Year Warranty (refer Dynasty warranty card, 41-9027)
- 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.
- Flame retardant polypropylene case and cover compliant with UL94V-2
- 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	1 Min Current to 1.75VPC	Short Circuit Current	Resistance
6	12.98V	17.7 Kg	200	320 Amps	1472 Amps	8.58 (mOhms)



*All dimensions in inches and (millimeters). 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 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)
Terminal	Threaded copper alloy insert terminal to accept #10-32 UNF bolt
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	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	279.3	209.2	169.2	140.0	120.8	107.1	81.2	66.8	47.8	37.7	27.0	21.3	17.7	11.8	9.7	8.2	5.2
1.80	306.3	230.1	185.6	151.8	129.8	114.2	85.8	70.0	49.9	39.3	28.1	22.1	18.3	12.3	10.0	8.5	5.3
1.75	323.5	242.1	194.0	158.1	134.8	118.4	87.6	70.8	50.7	40.0	28.5	22.4	18.6	12.5	10.2	8.6	5.4
1.70	332.9	249.2	198.0	161.0	137.1	120.2	88.6	71.3	50.7	39.8	28.5	22.6	18.8	12.5	10.2	8.7	5.4
1.67	338.7	253.6	200.0	162.4	138.2	121.1	89.0	71.5	50.9	40.1	28.7	22.7	18.9	12.6	10.2	8.7	5.5
1.65	342.1	256.5	202.0	163.9	139.3	122.0	89.4	71.7	51.1	40.2	28.8	22.7	19.0	12.6	10.3	8.7	5.5

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

Operating Time to End Point Voltage

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	116.4	100.6	80.2	51.7	32.3	22.8	17.7	12.5	9.7	8.0	6.9	6.0	5.3	4.4	3.8	2.4	2.1
1.85	151.6	115.6	91.9	57.2	35.7	25.1	19.5	13.7	10.7	8.8	7.5	6.5	5.8	4.8	4.1	2.6	2.2
1.80	165.4	126.6	100.3	60.8	37.5	26.3	20.5	14.3	11.1	9.2	7.8	6.8	6.1	5.0	4.3	2.7	2.3
1.75	171.1	130.3	103.7	62.6	37.9	26.7	20.9	14.6	11.4	9.3	8.0	7.0	6.2	5.1	4.3	2.8	2.4

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