



**HIGH  
RATE  
MAX<sup>XT</sup>**



# UPS12-630MRX

**Valve Regulated Lead Acid Battery**

**Designed for UPS Standby Power Applications**

## FEATURES AND BENEFITS

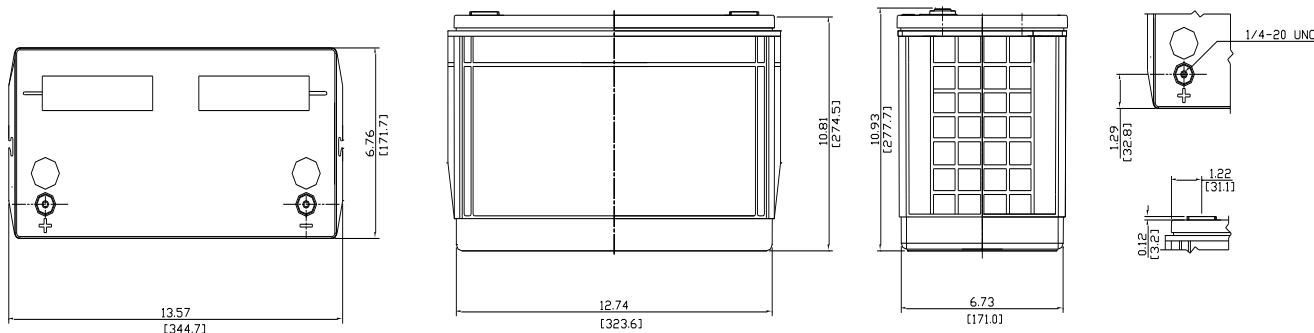
### APPLICATIONS

- 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

- 12-year design life @ 25°C
- Eurobat classification: Long life
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- C&D's Long-Life Alloy having very low calcium levels in the industry -minimizing grid growth, reducing gassing, and extending battery life
- 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 UL94 V-0
- 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 parts 171-189
- 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	IEC Short Circuit Current	IEC Resistance
6	12V	52.9 Kg	630	735 Amps	4146 Amps	2.99 (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 A RMS
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	Threaded copper alloy insert terminal to accept 1/4-20 UNC bolt
Terminal Hardware Initial Torque	110 in.-lbs. (12.4 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	817.3	658.1	532.4	443.0	377.6	336.4	245.2	195.9	140.0	110.3	76.5	58.9	48.1	31.4	25.6	21.7	13.6
1.80	947.9	735.4	583.5	480.2	405.5	358.8	258.1	204.2	145.6	114.5	79.4	61.1	49.9	32.6	26.6	22.5	14.0
1.75	1008.3	783.1	612.1	499.9	419.3	369.2	265.0	209.5	149.2	117.3	81.3	62.5	51.0	33.3	27.1	23.0	14.3
1.70	1039.3	799.9	625.4	508.5	424.9	373.1	267.7	211.5	150.5	118.3	81.9	63.0	51.4	33.5	27.3	23.1	14.4
1.67	1048.8	808.7	630.0	512.4	428.2	376.1	269.7	213.0	151.5	118.9	82.3	63.3	51.6	33.5	27.3	23.1	14.4
1.65	1064.4	816.5	636.1	516.4	430.9	378.0	270.9	213.9	152.1	119.4	82.5	63.4	51.7	33.6	27.4	23.1	14.4

### 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	260.7	256.7	217.1	146.8	88.1	62.6	49.1	34.4	26.6	21.7	18.4	15.9	14.1	11.5	9.7	6.1	5.1
1.85	368.4	312.8	253.7	167.9	98.2	69.4	54.3	38.0	29.4	24.0	20.3	17.6	15.5	12.6	10.6	6.6	5.6
1.80	455.9	362.4	292.0	185.0	104.2	73.4	57.2	40.2	31.0	25.2	21.3	18.4	16.2	13.2	11.1	6.9	5.8
1.75	495.3	389.9	311.3	189.5	106.4	74.7	58.1	40.8	31.4	25.5	21.5	18.6	16.4	13.3	11.2	7.0	5.9

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