

*Power You Can
Depend On*



MR Series

Valve Regulated Lead Acid

— *Optimized UPS Configuration*



High Rate Max^{XT}



WWW.CDTROJAN.CN

MR Series

HIGH RATE MAX



Valve Regulated Lead Acid Battery

Designed for UPS Standby Power Applications

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

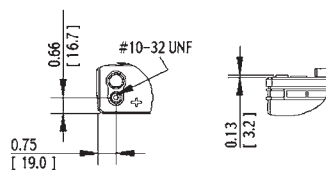
Features and benefits

- Design life : 12 years
- Eurobat Classification : Long Life
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- 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
- 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
- Manufactured in accordance with ISO 9001, ISO 14001, and ISO 45001
- Designed to be compliant with international standard IEC 60896-21/22

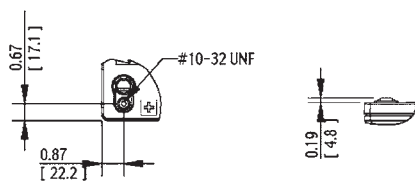
Specifications

Model	V	Watts/Cell @ 15min	Dimensions (mm)				Weight / Kg	Terminal(Bolt)
			L	W	H	TH		
UPS 12-100 MR	12	100	197	132	166	173	10.7	Insert (#10-32 UNF)
UPS 12-150 MR	12	150	197	132	166	173	12.4	Insert (#10-32 UNF)
UPS 12-210 MR	12	210	242	142	200	205	19.0	Insert (#10-32 UNF)
UPS 12-300 MR	12	300	273	173	201	204	27.0	Insert (1/4-20 UNC)
UPS 12-350 MR	12	350	319	173	203	206	31.5	Insert (1/4-20 UNC)
UPS 12-400 MR	12	400	341	173	213	216	35.3	Insert (1/4-20 UNC)
UPS 12-490 MR	12	490	345	173	275	278	46.6	Insert (1/4-20 UNC)
UPS 12-540 MR	12	540	345	173	275	278	48.6	Insert (1/4-20 UNC)
UPS 12-600 MR	12	630	345	173	275	278	52.9	Insert (1/4-20 UNC)
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±0.15VDC per unit at 25°C (Recommendation:13.65V per 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)					
Accessories (Optional)			Inter unit connectors, racks and cabinet systems are available.					

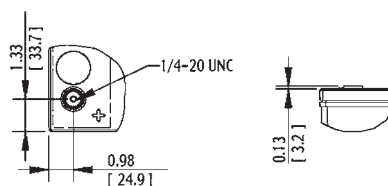
Battery Termination



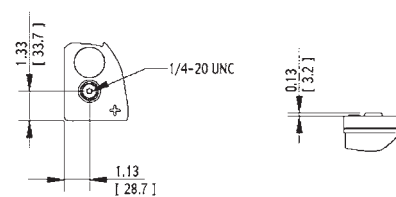
UPS 12-100 MR, UPS 12-150 MR



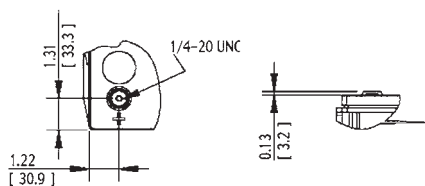
UPS 12-210 MR



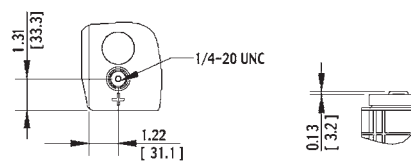
UPS 12-300 MR



UPS 12-350 MR



UPS 12-400 MR



UPS 12-490 MR, UPS 12-540 MR, UPS 12-600 MR



TECHNOLOGIES

Contact us

Headquarters

C&D Technologies, Inc.
200 Precision Road
Horsham, PA 19044 USA

Europe

C&D Technologies (UK) Limited
Unit 25, Romsey Industrial Estate, Greatbridge Road
ROMSEY, Hampshire, SO51 0HR, UK
Office: +44 (0) 1794 518 173
E-mail: Gdailly@cdtrojan.com

Middle East & Africa

C&D TECHNOLOGIES (UK) LIMITED
LOB 15 – OFFICE 413
PO BOX 263116
JEBEL ALI FREE ZONE
DUBAI – UNITED ARAB EMIRATES
PH: +971 5045 494 79
E-mail: phockings@cdtrojan.com

C&D Tech Power Solutions (India) Private Limited

Tel: (91) 97 4177 7503
E-mail: PT@cdtrojan.com

C&D Technologies (Hong Kong) Ltd.

Tel: (852) 2119 9870
Fax: (852) 2117 0342
E-mail: Bhui@cdtrojan.com

C&D Tech (Singapore) Pte Ltd.

Tel: (65) 6291 1031
Fax: (65) 6291 0767
E-mail: Bhui@cdtrojan.com

C&D Trojan (Shanghai) Energy Technologies Co., Ltd.

Tel: 400-678-3721

C&D Trojan (Shanghai) Power Technologies Co., Ltd.

No.55 Liandu Road, Spark Development Zone, Shanghai, China
Tel: (86) 21 3711 1222

C&D Jiangsu Technologies Co., Ltd.

Circular Economy Industrial Park
Pizhou High-tech Industrial Development Zone,
Jiangsu Province China 221300
Tel: (86) 516 8687 9857

Website

www.cdtrojan.cn

China Service Hotline: 400-678-3721

C&D reserves the right to revise the data and information provided in this catalogue.