

*Power You Can
Depend On*



MRX Series

Valve Regulated Lead Acid

— Optimized UPS Configuration



High Rate Max^{XT}



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MRX Series

**HIGH
RATE
MAX^{XT}**



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 : 8 years (<100WPC)
12 years (≥100WPC)
- 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 (≥100 MRX)
- 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, ISO 45001 and ISO 50001
- Designed to be compliant with international standard IEC 60896-21/22

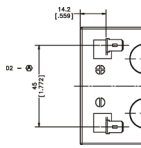
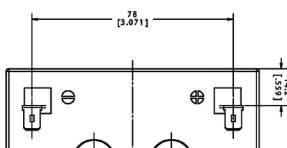
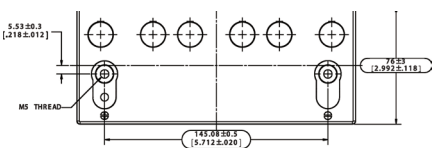
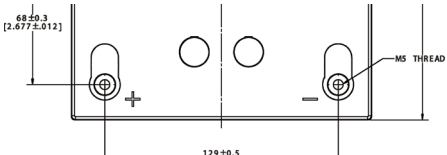
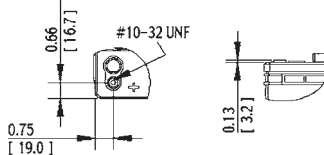
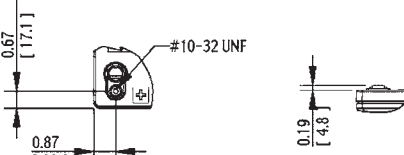
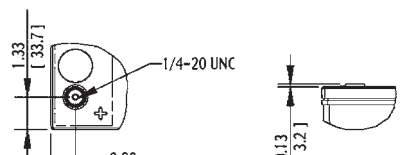
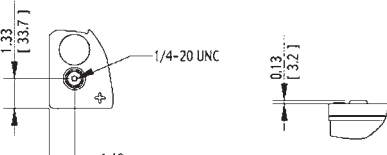
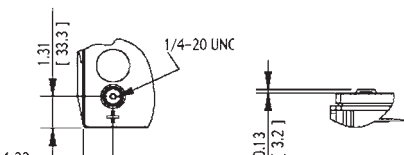
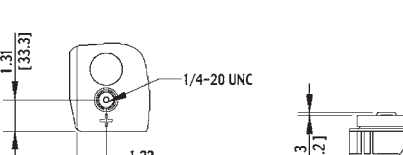
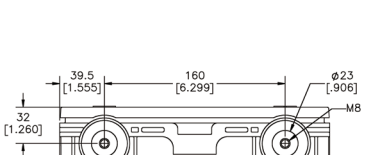
Specifications

Model	V	Watts/Cell @ 15min	Dimensions (mm)				Weight / Kg	Terminal(Bolt)
			L	W	H	TH		
UPS 12-28 MRX	12	28	151	65	94	100	2.3	Faston Tab 250
UPS 12-34 MRX	12	34	151	65	94	100	2.5	Faston Tab 250
UPS 12-43 MRX	12	43	151	98	94	100	3.6	Faston Tab 250
UPS 12-72 MRX	12	72	181	76	163	166	6.0	Insert (M5)
UPS 12-100S MRX	12	100	166	175	122	125	8.9	Insert (M5)
UPS 12-100 MRX	12	100	197	132	166	173	10.7	Insert (#10-32 UNF)
UPS 12-150 MRX	12	150	197	132	166	173	12.4	Insert (#10-32 UNF)
UPS 12-220 MRX	12	220	242	142	200	205	19.0	Insert (#10-32 UNF)
UPS 12-320R MRX	12	320	273	173	201	204	27.0	Insert (1/4-20 UNC)
UPS 12-370R MRX	12	370	319	173	203	206	31.5	Insert (1/4-20 UNC)
UPS 12-400 MRX	12	400	341	173	213	216	35.3	Insert (1/4-20 UNC)
UPS 12-475 MRX	12	475	341	173	215	218	38.0	Insert (1/4-20 UNC)
UPS 12-490 MRX	12	490	345	173	275	278	46.6	Insert (1/4-20 UNC)
UPS 12-550 MRX	12	550	345	173	275	278	48.6	Insert (1/4-20 UNC)
UPS 12-630 MRX	12	630	345	173	275	278	52.9	Insert (1/4-20 UNC)
UPS 12-700 MRX	12	700	525	239	227	227	66.0	Insert (M8)
UPS 12-720 MRX	12	720	525	239	227	227	67.3	Insert (M8)
UPS 12-800 MRX	12	800	525	239	227	227	71.0	Insert (M8)
UPS 12-830 MRX	12	830	525	239	227	227	72.0	Insert (M8)

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±0.15VDC 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 12-28 MRX, UPS 12-34 MRX	 UPS 12-43 MRX	 UPS 12-72 MRX
 UPS 12-100S MRX	 UPS12-100MRX, UPS12-150MRX	
 UPS12-220MRX	 UPS12-320R MRX	 UPS12-370R MRX
 UPS12-400MRX, UPS12-475MRX	 UPS12-490MRX, UPS12-550MRX, UPS12-630MRX	
 UPS 12-700 MRX, UPS 12-720 MRX, UPS 12-800 MRX, UPS 12-830 MRX		



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