

M-E XL SERIES

RACK MOUNTABLE TRAFFIC UPS

700 TO 2000 WATTS OF UNINTERRUPTIBLE POWER

OPTIONS

- EXTERNAL CHARGERS
- 8 AMP INTERNAL CHARGER
- EASY TO SET DIAL FLASH TIMER

- BATTERY CABINET ASSEMBLIES

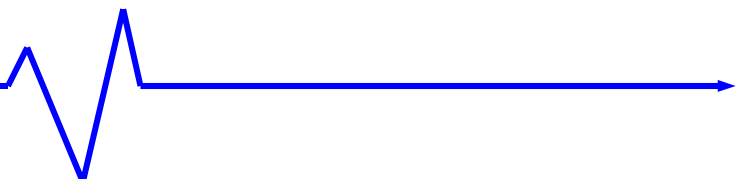
- SPECIAL APPLICATIONS CAPACITY TO 3000 WATTS

3 YEAR WARRANTY



FEATURES & BENEFITS

- True Line-Interactive UPS Technology provides efficient uninterrupted power. Operates with-in the utility circuit at all times.
- Power Conditioning with Isolating Toroidal Transformer.
- Dual voltage regulation on the input and output, maximizing the protection against spike, sags, surges, noise, brownouts and power outages.
- 4ms transfer time to battery power.
- Will provide 120v AC to the controller under any load or line condition. Even when the input voltage is a low as 75v, the UPS will not use the batteries.
- Easy to understand LED's for AC Healthy, Charger, Battery Power, Alarm & Overload.
- Real time Voltage Meters and Amp / Watt Meters
- Front Panel LCD Display for Battery Charge, Load, On/Off. Buck and Boost.
- Optional Multi function Dial timer allows the utmost in flexibility and adjustability.
- All Front panel connections are NEMA AMP Circular to eliminate exposed terminal blocks
- Unity-1 power factor, 700, 1000, 1500 & 2000 watts of continuous power.
- Temperature compensated battery charger, means longer battery life and better charge control.
- Circular Locking Connectors for Dry contact terminals for UPS on Battery, Bypass, Alarm & Flash.
- Built in transient surge protection.
- RS 232, with full duplex communications provides all UPS parameters and information including real-time software.
- SNMP HTTP TCIP ready



SPECIFICATIONS

| MODELS | M-E XL 700 | M-E XL 1000 | M-E XL 1500 | M-E XL |
|--------------------------------|---------------------|--|---------------------|---------------------|
| CAPACITY | 700 WATTS | 1000 WATTS | 1500 WATTS | 2000 watts |
| DIMMENSIONS | 5.2h X 19W X 12.2 D | 5.2h X 19W X 12.2 D | 5.5H x 19W x 14.5 D | 5.5H x 19W x 14.5 D |
| MOUNTING | | Rack or Shelf Mount with rubber 9mm feet | | |
| WEIGHT W/O BATTERY | 28 LBS | 36 LBS | 48 LBS | 66LBS |
| CONSTRUCTION | | Aluminum & Steel | | |
| INPUT/OUTPUT CONNECTION | | NEMA Single Circular Quick AMP Connector | | |
| RELAY OUTPUT CONNECTION | | NEMA Single Circular Quick Connector | | |
| BATTERY CONNECTION | | Anderson DC 50 amp Connector | | |
| ELECTRONICS | | High Frequency with parallel heatsinks. | | |
| COOLING | | Forced air with logic dual speed parallel DC fans. | | |

| | |
|------------------------------|--|
| NOMINAL INPUT VOLTAGE | 120VAC Line Operation |
| INPUT RANGE | 75 to 135VAC |
| OPERATING FREQUENCY | 50/60HZ Autosensing |
| OUTPUT REGULATION | +/- 3% |
| OVERLOAD CAPACITY | 150% for 2 minutes |
| LCD & LCD DISPLAY | Load% Battery Charge, Battery Discharge. On battery Alarm, Overload Buck/Boost, OFF |
| UPS CONTROL | On /OFF separate buttons with delay off control |
| AUDIBLE ALARMS | OverLoad, Battery Fail, Battery Load, UPS alarm. |
| ON-BATTERY VOLTAGE | 105, 110, 115, 120 Selectable |
| OUTPUT FREQUENCY | Phase Locked to input under normal conditions |
| PROTECTION | Electronic overload, Separate Input / Output Breaker Fuse or Circuit Breaker. |
| DC PROTECTION | 3 Step Hysteresis type, Temperature |
| BATTERY CHARGER | Compensated, 4.5 amp rating @ 24v 4.2 @ 48V FOR M-E 1500 & 2000 |
| RECHARGE | 16 HRS Maximum w/ 2 55 AH batteries fully discharged 12 HRS M-1500 |
| EFFICIENCY | 94% on line |
| SAFETY COMPLIANCE | Designed to conform to UL /cUL standards |
| COMMUNICATIONS | Full duplex, RS 232 PORT-9 pin & software |
| LCD DISPLAY | AC line, Charger, Battery Power, Overload, Alarm Bypass, Power Outages |
| METER DISPLAY | Input/Output Selectable Voltage Meter, Output Amp Meter |
| FLASH LED DISPLAY | Delay Panel timer with dial control for up to 10hrs of delay |
| AUDIBLE ALARMS | Low Battery, Bypass, UPS Fail, Overload, UPS On Battery, Battery Fail, Site Wire Fault |
| DRY CONTACTS | Form -C, AC-Fail, On Battery, Flash, Bypass UPS-Fail, 120 VAC Rating @10 amps isolated from the UPS. |
| COMMUNICATIONS | RS232 port and USB port with graphical real timer Software SNMP/HTTP/TCIP ready slot/ |
| OPERATING TEMPERATURE | -40C(40F) TO + 74C (165F) |
| STORAGE TEMP | -40C(40F) TO + 74C (165F) |
| RELATIVE HUMIDITY | UP TO 95% Non Condensing |
| ALTITUDE | 3000M Without derating |

M-E XL SERIES BACK-UP TIME IN MINUTES BASED ON PERCENT OF LOAD @ FULL SIGNAL OPERATION

| | 100w | 200w | 300w | 400w | 500w | 600w | 700w | 800w | 900w | 1000w | 1250w | 1500w | 2000w |
|------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| M-E 700 (2 55AH BAT) | 395M | 220M | 171M | 132M | 102M | 85M | 72M | | | | | | |
| M-E 1000 (2 55AH BAT) | 395M | 220M | 171M | 132M | 102M | 85M | 72M | 69W | 60M | 44M | | | |
| M-E 1500 (4 55AH BAT) | 863M | 476M | 284M | 244M | 215M | 179M | 164M | 128M | 104M | 104M | 88M | 71M | |
| M-E 2000 (4 55AH BAT) | 863M | 476M | 284M | 244M | 215M | 179M | 164M | 128M | 104M | 104M | 88M | 71M | 46M |

Note: All back-up times are approximate. Back-up times will depend on load, load changes, battery condition /charge state & outside temperature. Runtimes will be higher during flash conditions.

*All specifications subject to change without notice.

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