

MEPST91

Online Tower UPS // 120VAC



Unity power factor tower UPS provides high density online power protection for unstable power conditions

MEPST91 UPS provides double conversion online power for light industrial applications, point of sale, servers, voice & data networks, and laboratories. MEPST91 features unity output power factor to support up to 43% more critical loads than typical UPSs.

Extended battery runtimes are available from the MEPST91 by adding up to seven matching battery packs.

MEPST91 battery charger can be programmed to provide up to 8 amps of recharge current to insure batteries are recharged quickly and prepared for the next utility outage.

PRODUCT SNAPSHOT

- › Available models: 700VA, 1000VA, 1500VA, 2000VA, 3000VA
- › Extended battery packs available
- › UL, cUL, RoHS, FCC A or B, TAA compliant
- › 3 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

Unity output power factor—MEPST91 provides industry highest real power rating

Extended battery packs—optional matching battery cabinets available for runtimes up to 4 hours.

Charging current—2A to 8A, adjustable from LCD display

Fast Recharge—up to 95% in just 3 hours

Generator compatibility—wide input voltage and frequency windows allow reliable generator compatibility

Multiple communications capability—RS-232, USB, and optional Web/SNMP, Relay/dry contact and Modbus cards

Load shedding capabilities—maximize up time for critical loads and equipment by shedding less critical loads

Emergency power off—allows for compliance with the highest of application safety standards

\$50,000 load protection policy—protection against damaged connected equipment

MODEL SELECTION GUIDE

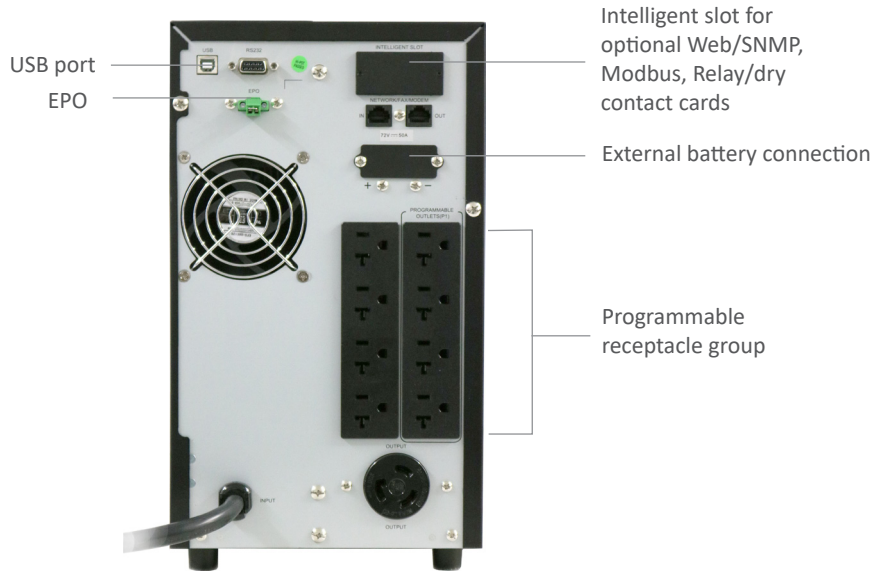
| MODEL NUMBER | | MEPST91-700 | MEPST91-1000 | MEPST91-1500 | MEPST91-2000 | MEPST91-2000V2 | MEPST91-3000 | |
|--------------------------|---|--|----------------|----------------|-----------------------------------|----------------------------------|----------------|----------------------|
| CAPACITY | Power rating | 700VA (700W) | 1000VA (1000W) | 1500VA (1450W) | 2000VA (1930W) | 2000VA (1930W) | 3000VA (2880W) | |
| INPUT | Voltage | 120VAC nominal (55-150VAC)* | | | | | | |
| | Frequency | 50/60Hz auto-sensing | | | | | | |
| | Power factor | >0.99 at full load | | | | | | |
| OUTPUT | Voltage | 120VAC nominal (100/110/115/127 selectable)** | | | | | | |
| | Waveform | Pure sine wave, zero transfer time | | | | | | |
| | Frequency | 50/60Hz auto-sensing ≤ 1% | | | | | | |
| | Efficiency | Up to 98% ECO Mode and 92% online mode | | | | | | |
| | Overload capacity | > 110% & ≤ 130% for 5 min; > 130% & ≤ 140% for 30 sec; >140% for 1.5 sec | | | | | | |
| BATTERY | Battery type | (2) 12V 9AH | (3) 12V 9AH | (3) 12V 9AH | (6) 12V 9AH | | (6) 12V 9AH | |
| | Recharge | 3 hours to 95% for internal battery with 2A charge current | | | | | | |
| | Battery charger | 2A (default) to 8A, programmable from LCD display | | | | | | |
| PHYSICAL | UPS dimensions | 5.6" x 15.6" x 8.6" (W x D x H) | | | | 7.4" x 16.5" x 12.5" (W x D x H) | | |
| | UPS weight | 26 lbs | 30 lbs | 34.3 lbs | 63 lbs | | 66 lbs | |
| | Line cord | 6 ft, 5-15P | | | | 6 ft, L5-20P | 6 ft, 5-20P | 6 ft, L5-30P |
| | Receptacles | (6) 5-15R | | | | (1) L5-20R+(8) 5-20R | | (1) L5-30R+(8) 5-20R |
| OPTIONAL BATTERY PACKS | Model number | MEPST91-BP36A | | | | MEPST91-BP72A | | |
| | Dimensions | 5.6" W x 15.6" D x 8.6" H | | | | 7.4" W x 16.5" D x 12.5" H | | |
| | Weight | 44 lbs | | | | 82 lbs | | |
| ENVIRONMENT | Temperature | 32-104°F (0-40°C) | | | | | | |
| | Audible noise | < 50 dBA | | | | | | |
| | Altitude | 11,500 ft above sea level | | | | | | |
| APPROVALS | UL1778 (cTUVus), FCC B, RoHS, TAA | | | | UL1778 (cTUVus), FCC A, RoHS, TAA | | | |
| WARRANTY | 3 years electronics, 3 years battery warranty (USA and Canada) | | | | | | | |
| COMMUNICATIONS INTERFACE | RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus) | | | | | | | |
| INCLUDED IN BOX | ViewPower monitoring software CD, USB cable, user manual | | | | | | | |
| AVAILABLE OPTIONS | Extended warranty, bypass distribution (XBDM), power distribution (XPDU) | | | | | | | |

*Voltage range is load dependent. **Capacities are based on highest selectable voltage. Some models derate at lower voltages.

BATTERY RUNTIMES

| | Internal battery | | UPS+1BP | | UPS+2BP | | UPS+3BP | | UPS+4BP | | UPS+5BP | | UPS+6BP | | UPS+7BP | |
|-------------------|------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| Percentage load: | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% |
| MEPST91-700 | 16 | 5.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MEPST91-1000 | 17 | 6 | 74 | 29 | 129 | 57 | 192 | 89 | 259 | 117 | 330 | 143 | 419 | 175 | 485 | 208 |
| MEPST91-1500 | 10 | 3 | 44 | 18 | 88 | 35 | 125 | 54 | 165 | 77 | 211 | 97 | 258 | 117 | 306 | 133 |
| MEPST91-2000/(V2) | 18 | 6.4 | 77 | 30 | 133 | 59 | 200 | 93 | 270 | 121 | 350 | 149 | 437 | 183 | 500 | 217 |
| MEPST91-3000 | 10 | 3 | 45 | 18 | 89 | 35 | 126 | 54 | 167 | 78 | 212 | 97 | 260 | 118 | 309 | 134 |

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.



MEPST91 -2000 rear view