

1000358

UPS-P91-3000

Online UPS, 3 kVA / 2880 W, 120V



- ✓ Online double-conversion UPS with pure sinewave output
- ✓ Provides a high, near-unity output power factor
- ✓ Wide input voltage range (55–150 VAC)
- ✓ Tower, wall, 2-post, and 4-post rack mounting configurations
- ✓ Multiple communication interfaces (RS232, USB, and optional Web/SNMP, Modbus, Relay/dry contact cards)
- ✓ Supports hot swappable EBM modules for extended backup time
- ✓ Maintenance bypass - an optional XBDM bypass module enables the P91 to be replaced or serviced without interruption of power to critical loads

Description

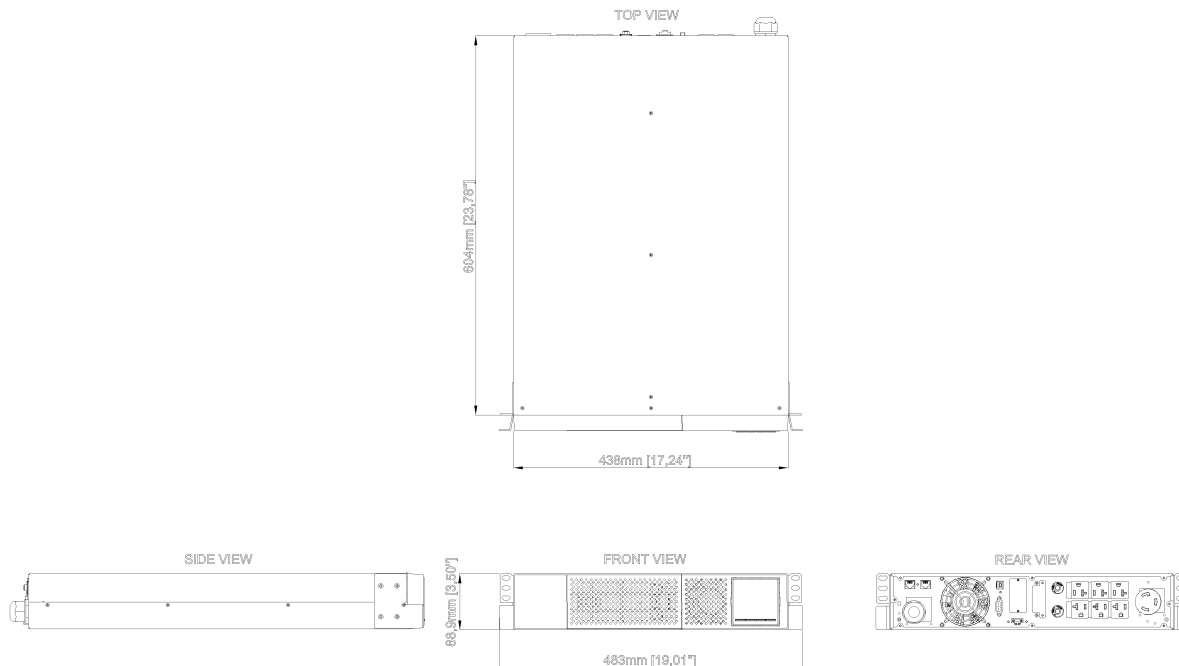
The UPS-P91-3000 is an online double-conversion UPS designed for mission-critical applications that demand clean, continuous, and isolated power. Its near-unity power factor maximizes usable wattage, while the flexible 2U rack/tower design fits seamlessly into PAGA controllers, intercom systems, IP telephony, navigation equipment, monitoring systems, and critical automation. The UPS-P91-3000 offers scalable runtime through optional external battery modules, supported by a high-capacity charger delivering up to 8 A for rapid recharge of multiple battery packs. With hot-swappable batteries, optional maintenance bypass, ECO-mode efficiency up to 98%, and broad communication support - including USB, RS-232, and optional Web/SNMP or Modbus cards - the UPS-P91-3000 ensures reliable operation and easy integration into modern monitoring systems.

UPS-P91-3000 Runtime overview (updated in December 2025):

- ✓ 2880 W / 3 min -> no additional battery module
- ✓ 1900 W / 30 min -> with one additional UPS-P91-BP72 battery module
- ✓ 2880 W / 33min -> with two additional UPS-P91-BP72 battery modules

Note: The UPS-P91-3000 UPS supports up to seven external battery modules.

Technical Dimensions



Specifications

GENERAL

| | |
|--------------------------|--|
| Sn | 3000 VA |
| Pn | 2880 W |
| Input Voltage | 55-150 VAC (Depending on load level) |
| Input Frequency | 50/60 Hz auto-sensing |
| Output Voltage | 120 VAC nominal (100/110/115/127 selectable) |
| Output Waveform | Pure sine wave, 1U: $\leq 3\%$ THD (linear load), $\leq 5\%$ THD (non-linear load); 2U: $\leq 2\%$ THD (linear load), $\leq 4\%$ THD (non-linear load) |
| Output Frequency | 50/60 Hz ± 0.1 Hz |
| Output Efficiency | Up to 98% ECO mode or 94% online mode |
| Output Overload Capacity | 1U online mode: $> 105\% \ \& \ \leq 130\%$ for 2 min; $> 130\% \ \& \ \leq 200\%$ for 10 sec; $> 200\%$ for 250 ms 2U online mode: $> 110\% \ \& \ \leq 130\%$ for 5 min; $> 130\% \ \& \ \leq 140\%$ for 30 sec; $> 140\%$ for 1.5 sec |
| Battery chemistry | Sealed, maintenance-free lead acid |
| Dimensions (W x D x H) | 438 x 604 x 88.9 mm / 17.2 x 23.8 x 3.5 in (Additional 25.4 mm / 1 in for depth including front bezel) |
| Weight | 27.5 kg / 60.6 lbs |

Accessories



UPS-XPC-CARD

Dry Contact Interface Card

Item Number: 2970000204