

1000356

UPS-P91-1500

Online UPS, 1500 VA / 1450 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-P91-1500 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-P91-1500 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-P91-1500 ensures reliable operation and easy integration into modern monitoring systems.

UPS-P91-1500 Runtime overview (updated in December 2025):

- 1450 W / 3 min -> no additional battery module
- 900 W / 30 min -> with one additional UPS-P91-BP36 battery module
- 1450 W / 33min -> with two additional UPS-P91-BP36 battery modules

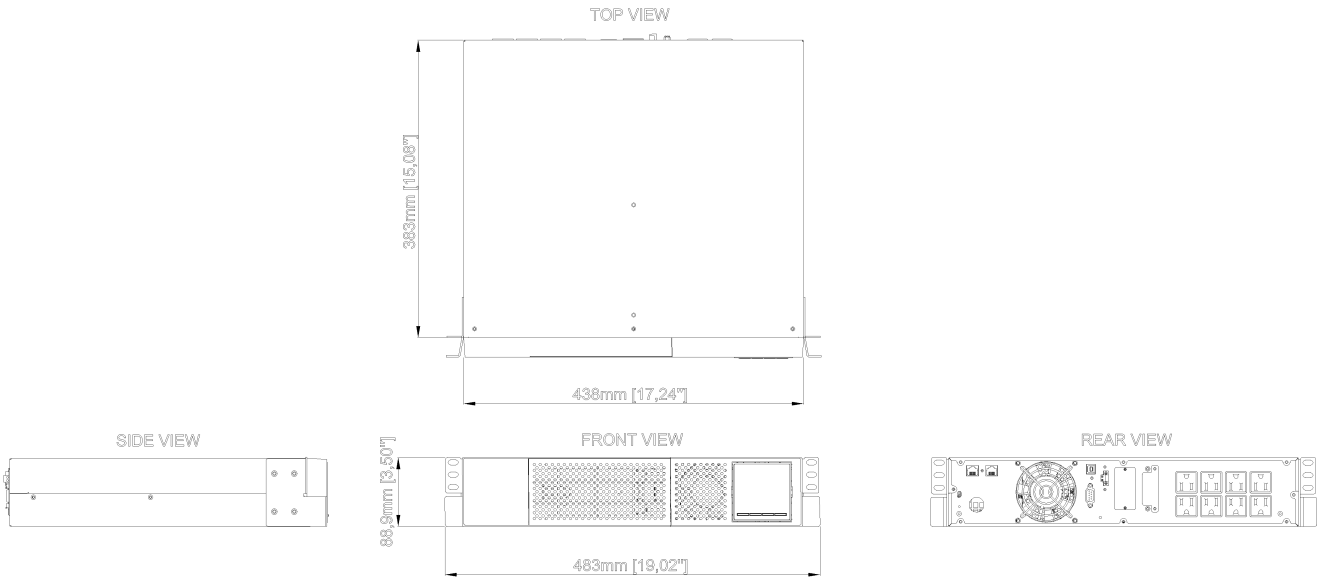
Note: The UPS-P91-1500 UPS supports up to seven external battery modules.

Technical Dimensions

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Specifications

GENERAL	
Sn	1500 VA
Pn	1450 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: <=3% THD (linear load), <=5% THD (non-linear load); 2U: <=2% THD (linear load), <=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% & ≤ 130% for 2 min; > 130% & ≤200% for 10 sec; >200% for 250 ms 2U online mode: > 110% & ≤ 130% for 5 min; > 130% & ≤140% for 30 sec; >140% for 1.5 sec
Battery chemistry	Sealed, maintenance-free lead acid
Dimensions (W x D x H)	438 x 383 x 88.9 mm / 17.2 x 15.1 x 3.5 in (Additional 25.4 mm / 1 in for depth including front bezel)
Weight	15.5 kg / 34.2 lbs

Accessories



UPS-XPC-CARD

Dry Contact Interface Card

Item Number: 2970000204

Used With

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UPS-P91-BP36

External Battery Module for UPS-P91-1500

Item Number: 1000357

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