

# Installation Instructions

## PDU, Single Phase, Horizontal & Vertical 125V, 20A or 30A/250V, 16A, 20A, 30A or 32A

### Safety Information



**WARNING:** Improper use of this product may lead to serious injury or death. Read and understand all instructions for proper installation and use of this product.



**CAUTION:** The input plug of this power tap is intended to serve as the disconnect device, it shall be easily accessible and withdrawn.



**CAUTION:** Equipment connections to the power strip must adhere to the nameplate ratings listed otherwise an overload condition may cause damage to the protection circuitry and supply wiring.

### Installation Guidelines

- Overcurrent protection is an element accounted for during the building/room design and installation. The PDU relies on adequate building overcurrent protection. Insure that UL listed circuit breakers are utilized for overcurrent protection.
  - Please note that the PDUs that do not include a circuit breaker rely on building/room electrical installation for overcurrent protection. These PDUs should be connected to building/room electrical branch that is protected with a 20 Amp circuit breaker.
  - Install the PDU using qualified installation and service personnel.
  - Install the PDU in cabinets with a temperature no greater than 45°C (113 °F)
  - Do not inhibit cabinet airflow with the installation of the PDU.
  - Avoid uneven mounting which could develop into a hazardous condition.
  - Equipment plugged into this PDU should be grounded to a grounding bus separate from the branch circuit grounding bus.
  - Insure that the outlet plugs on the PDU are easily and readily accessible for interruption of service (disconnection). Do not block or obstruct access to the outlets in any way.
- ALWAYS disconnect all input and output power cords on the PDU before servicing. Never install the PDU in a location where there may be a presence of water.
  - Remove power to the PDU before removing existing or installing new equipment.
  - PDU external Ground Wire is an enhanced feature for RFI and EMI noise reduction when required. Follow Grounding and Bonding methods when connecting the Ground Wire to the Racks and/or Cabinets at customer discretion.

### Notes

- **Elevated Operating Ambient-** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Consideration should be given to installing the equipment in an environment compatible with the maximum rated ambient temperature of 45°C (113 °F).
- **Reduced Air Flow** – Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.
- **Mechanical Loading** – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- **Circuit Overloading** – Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Reliable Earthing** – Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.
- **Service Personnel** – Only service personnel should install and access this equipment.



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IIS-735600, 12/07/09, Rev.4 V. Eisa

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## Installation

1. Mount PDU to rack/cabinet. Appropriate brackets and hardware are provided.
2. Ensure the rating of the PDU matches that of the branch circuit it is plugged into.
3. Connect 125V rated PDU's to 125V 20 AMP or 30 AMP circuits. Connect 250V rated PDU's to 250V 16, 20, 30 or 32 Amp Circuits.
4. Test each PDU outlet with a multimeter to insure proper outlet voltage before plugging any equipment into the PDU.
5. Make sure equipment power is OFF before plugging into the PDU
6. In order to avoid current surge to the PDU, power up equipment in a sequential order.

## CPI Part Numbers

This document applies to the following CPI part numbers

**3562X-xxx 3564X-xxx 3565X-xxx 3566X-xxx 3568X-xxx 3569X-xxx**  
**35821-xxx 35822-xxx 35823-xxx 35841-xxx 35882-xxx 35883-xxx**

## CPI Bracket Kits

024-735700-701 RBK Bracket kit for 2 and 4 post Racks  
024-735700-702 CBK Bracket kit for MegaFrame Cabinets  
024-735700-703 TBK Bracket kit for TeraFrame Cabinets

### **Note:**

PDU current ratings have been de-rated in accordance with UL/NEC recommended guidelines.

## Specifications

- UL 60950-1, CSA C22.2 60950-1-03
- 125 Volt @15 Amp, 50/60Hz power PDU de-rated to 12 amps
- 125 Volt @20 Amp, 50/60Hz power PDU de-rated to 16 amps
- 125 Volt @ 30 Amp, 50/60Hz power PDU de-rated to 24 amps
- 250 Volt @ 16 Amp, 50/60Hz power PDU de-rated to 13 amps
- 250 Volt @ 20 Amp, 50/60Hz power PDU de-rated to 16 amps
- 250 Volt @ 30 Amp, 50/60Hz power PDU de-rated to 24 amps
- 250 Volt @ 32 Amp, 50/60Hz power PDU de-rated to 26 amps
- 125 Volt, 15 Amp PDU strip outlets – 5-15R, IEC C13 or NEMA 5-20R
- 125 Volt, 20 Amp PDU strip outlets – 5-15R, IEC C13 or NEMA 5-20R
- 125 Volt, 30 Amp power strip outlets – IEC C13, IEC C13 and IEC C19 or NEMA 5-20R
- 250 Volt, 16 Amp PDU strip outlets – IEC C13, IEC C13 and IEC C19
- 250 Volt, 20 Amp power strip outlets – IEC C13, IEC C13 and IEC C19
- 250 Volt, 30 Amp PDU strip outlets – L6-15R, IEC C13, IEC C13 and IEC C19 or NEMA 6-20R
- 250 Volt, 32 Amp power strip outlets – NEMA L6-15R, IEC C13, IEC C13 and IEC C19

## Service and Maintenance

There are NO field serviceable or maintained parts on or in this power strip. Opening of the PDU housing will void product warranty and UL listing.

For additional information please visit <http://www.chatsworth.com/power-management>