



XPDU

15A, 20A Models

User & Installation Manual

Table of Contents

Important Safety Instructions.....3

Specifications.....4

Environmental.....5

Receiving Inspection.....5

Installation.....5

Connecting.....6

Caution.....6

Obtaining Service.....7

Xtreme Power Conversion Limited Warranty.....8

Important Safety Instructions

This quick guide contains instructions, cautionary notices, and warnings that should be followed during the installation, operation and storage of this product. Failure to explicitly follow the instructions, cautionary notices, and warnings will void the product warranty.

CAUTIONARY NOTICES

- The XPD is designed for indoor use only in a controlled environment away from excess moisture, temperature extremes, conductive contaminants, dust or direct sunlight.
- Do not connect the XPD to an ungrounded outlet or extension cords or adapters that eliminate the connection to ground.
- The power requirement for each piece of equipment connected to the XPD must not exceed the individual outlet's load rating.
- The total power requirements for equipment connected to the XPD must not exceed the maximum load rating.
- Do not drill into or attempt to open any part of the XPD housing. There are no user-serviceable parts inside.
- Do not attempt to modify the XPD, including the input plugs and power cables.
- Do not attempt to use the XPD if any part of it becomes damaged.
- Do not attempt to mount the XPD to an insecure or unstable surface.
- Never attempt to install electrical equipment during a thunderstorm.
- Install the XPD away from; objects which give off excessive heat and areas, which are excessively wet.
- This PDU supports electronic equipment in offices, telecommunications, process control, medical, security, and IT applications.
- To reduce the risk of fire, connect only to a branch circuit with over current protection in accordance with the National Electric Code, ANSI/NFPA 70(3KVA)
- To reduce the risk of electrical shock with the installation of this PDU equipment and the connected equipment, the user must ensure that the combined sum of the AC leakage current does not exceed 3.5mA.
- Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

A) 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. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

D) 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.

E) 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 (e.g. use of power strips).

Specifications

MODEL NUMBER	Input Power Connection	Outlets	Voltage	Circuit Breaker	Dimensions (W x D x H)	Weight
Switched PDU						
XPD0815SL	Detachable 10 ft, 5-15P	(8) 5-15/20R	120V	15A	17 x 3.75 x 1.7 in (1U)	4.4 lbs
SPD-0215	IEC C14 inlet	(2) 5-15R	120V	N/A	5.4 x 6.0 x 2.5 in	2.0 lbs
Transformer PDU						
XPD-IT60A	3 ft, L6-30P	(12) 5-15/20R	208V input 208V to 208/104V, 208V to 240/120, 240V to 240/120V output	30A	19.0 x 18.0 x 3.5 in (2U)	137 lbs
XPD-AT15A	Detachable 3 ft, IEC C14	(8) 5-15R front + (8) 5-15R rear	208V input 120V output	15A	19.0 x 10.5 x 3.5 in (2U)	19.7 lbs
Basic PDU - 15A & 20A models						
XPD815HV	12 ft, 5-15P	(8) 5-15R	120V	15A	17 x 3.75 x 1.7 in (1U)	2.6 lbs
XPD1415HV	12 ft, 5-15P	(14) 5-15R	120V	15A	17 x 3.75 x 1.7 in (1U)	3.5 lbs
XPD1420HV	12 ft, 5-20P + L5-20P	(14) 5-20R	120V	20A	17 x 3.75 x 1.7 in (1U)	4.8 lbs
XPDU-IEC	IEC C20 inlet	(2) IEC C19 + (10) IEC C13	230V	15/20A	17 x 3.75 x 1.7 in (1U)	4.4 lbs
Basic PDU - 30A & 50A models						
XPD24C13V	6 ft, L6-30P	(24) C13	208V	30A	66.0 x 1.8 x 1.8 in	12.0 lbs
XPD31	6 ft, L6-30P	(2) L6-30R + (2) L6-20R + (4) 6-15/20R	240V	30A	19.0 x 4.7 x 3.5 in (2U)	9.0 lbs
XPD32	6 ft, L6-30P	(2) L6-30R + (4) L6-20R	240V	30A	19.0 x 2.4 x 3.5 in (2U)	7.5 lbs
XPD33	6 ft, L6-30P	(4) IEC C19 + (8) IEC C14	240V	30A	19.0 x 2.4 x 3.5 in (2U)	6.0 lbs
XPD34	6 ft, L14-30P	(2) L6-30R + (4) L6-20R + (12) 5-20R	240/120V	30A	19.0 x 4.7 x 3.5 in (2U)	9.5 lbs
XPD35	Pigtail	(2) L6-30R + (4) L6-20R	240V	50A	19.0 x 2.4 x 3.5 in (2U)	7.0 lbs
XPD36	Pigtail	(4) IEC C19 + (8) IEC C14	240V	50A	19.0 x 2.4 x 3.5 in (2U)	6.8 lbs
XPD37	Pigtail	(2) L6-30R + (4) L6-20R + (12) 5-20R	240/120V	50A	19.0 x 4.7 x 3.5 in (2U)	10.0 lbs
Value PDU						
XPS1215HVP	6 ft, 5-15P	(12) 5-15R	120V	15A	17 x 1.5 x 1.7 in (1U)	1.4 lbs

1. Model XPDS1015HV and XPS1020HV and XPS1215HVL also provides surge protection for connected equipment. The Surge Energy is 2,000 Joule.

2. Model XPD1415HVA and XPD1420HVA and XPD2420VA60 has Amp meter & alarm :

The total electrical current used by XPD1415HV will be displayed on the digital meter in amperes. The audible alarm will sound when the load exceeds 80% of the rated load. In the event of an audible alarm, verify that the combined load does not exceed the rated load.

Environmental

Operating Temperature (Max)	: 0 to 50 degrees C (+32 to +122 degrees F)
Operating Elevation	: 0 to 3,000m (0 to +10,000 ft)
Operating and Storage Relative Humidity	: 0 - 90%, non-condensing
Storage Temperature	: 0 to 65 degrees C (+32 to +149 degrees F)
Storage Elevation	: 0 to 15,000m (0 to +50,000 ft)

Receiving Inspection

After removing your XPD from its carton, it should be inspected for damage that may have occurred in shipping. Immediately notify the carrier and place of purchase if any damage is found.

Warranty claims for damage caused by the carrier will not be honored.

The packing materials that your XPD was shipped in are carefully designed to minimize any shipping damage.

In the unlikely case that the XPD needs to be returned to XPD, please use the original packing material.

Since XPD is not responsible for shipping damage incurred when the system is returned, the original packing material is inexpensive insurance.

PLEASE SAVE THE PACKING MATERIALS!

Standard Package includes:

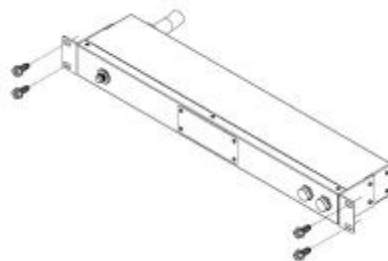
- a. PDU
- b. Standard 19" rack, mounting hardware (if applicable)
- c. Vertical Mount (0U), mounting hardware (if applicable)
- d. Quick Guide

Installation

Installation Configuration: The XPD supports horizontal 1U rack mount and vertical 1U rack mount installation.

Horizontal Installation (1U)

1. Attach the two XPD horizontal mounting brackets (included) on each end of the XPD using four retaining screws (included) (Fig. 1).
2. Install the XPD in a suitable horizontal location in the rack rail using four user-supplied mounting screws.
3. Connect the grounding lug of the XPD to a ground point on the rack rail.



Connecting

1. Connecting the Equipment

Plug the equipment into the output receptacles on the XPD. Do not use, adapter plugs or surge strips on the output of the XPD.

Ensure that the load does not exceed the maximum output rating of the XPD.

(refer to the information label on the XPD or the Electrical Specifications in this Quick Guide).

2. Connecting to the Power source

Attach the input plug of the XPD to a grounded outlet. Verify that the voltage and frequency ratings match that of the utility power, and then connect the AC Input power cord into a three- pole, three-wire easily accessible dedicated (recommended) grounded receptacle or one that does not share a circuit with a heavy electrical load only.

Caution

1. Do not install this device if there is not at least 10 meters (30 feet) or more of wire between the electrical outlet and the electrical service panel.
2. This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load – now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.
3. Indicator light illuminates means that AC Power goes to socket outlets and Surge Protection function works. Do not use this device when Indicator light OFF.

Obtaining Service

If the UPS requires Service:

1. Use the TROUBLESHOOTING section in this manual to eliminate obvious causes.
2. Verify there are no circuit breakers tripped.
3. Call your dealer for assistance. If you cannot reach your dealer, or if they cannot resolve the problem, call Xtreme Power Conversion Corp Technical Support at 800.582.4524. Technical support inquiries can also be made at support@xpcc.com. Please have the following information available BEFORE calling the Technical Support Department:
 - Your name and address.
 - The serial number of the unit.
 - Where and when the unit was purchased.
 - All of the model information about your UPS.
 - Any information on the failure, including LED's that may or may not be illuminated.
 - A description of the protected equipment, including model numbers if possible.
 - A technician will ask you for the above information and, if possible, help solve your problem over the phone. In the event that the unit requires factory service, the technician will issue you a Return Material Authorization number (RMA).

If you are returning the UPS to Xtreme Power for service, please follow these procedures:

1. Pack the UPS in its original packaging. If the original packaging is no longer available, ask the Technical Support Technician about obtaining a replacement set of packaging material. It is important to pack the UPS properly in order to avoid damage in transit. Never use Styrofoam beads for a packing material.
2. Include a letter with your name, address, daytime phone number, RMA number, a copy of your original sales receipt, and a brief description of the problem.
3. Mark the RMA number on the outside of all packages. Xtreme Power cannot accept any package without the RMA number marked on the outside of the boxes.
4. Return the UPS by insured, prepaid carrier to the address provided by the Technician.
5. Refer to the Warranty statements in this manual for additional details on what is covered.

Xtreme Power Conversion Limited Warranty

Xtreme Power Conversion (XPC) Corporation warrants Xtreme Power Conversion equipment, when properly applied and operated within specified conditions, against faulty materials or workmanship for a period of **three years for XPDU-Series products** from the date of purchase. For equipment sites within the United States and Canada, this warranty covers repair or replacement, at the sole discretion of XPC Corporation. The customer is responsible for the costs of shipping the defective product to XPC Corporation. XPC Corporation will pay for ground shipment of the repaired or replacement product. This warranty applies only to the original purchaser.

If equipment provided by XPC Corporation is found to be **Dead-on-Arrival (DOA)**, XPC Corporation will be responsible for the costs of shipping product to and returning equipment from the customer in a timely manner as agreed to with the customer, once the customer has requested and received a **Return Material Authorization (RMA)** number. DOA equipment is defined as equipment that does not properly function according to user documentation when initially received and connected in conjunction with proper procedures as shown in the user documentation or via support provided by XPC Corporation personnel or authorized agents.

This warranty shall be void if (a) the equipment is repaired or modified by anyone other than XPC Corporation or a XPC Corporation approved third party; (b) the equipment is damaged by the customer, is improperly used or stored, is subjected to an adverse operating environment, or is operated outside the limits of its electrical specifications; or (c) the equipment has been used or stored in a manner contrary to the equipment's operating manual, intended use or other written instructions. Any technical advice furnished by XPC Corporation or a XPC Corporation authorized representative before or after delivery with regard to the use or application of Xtreme Power Conversion equipment is furnished on the basis that it represents XPC Corporations best judgment under the situation and circumstances, but it is used at the recipient's sole risk.

EXCEPT AS STATED ABOVE, XPC Corporation DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

EXCEPT AS STATED ABOVE, IN NO EVENT WILL XPC Corporation BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF Xtreme Power Conversion EQUIPMENT, including but not limited to, any costs, lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, cost of substitutes, or claims by third parties. Purchaser's sole and exclusive remedy for breach of any warranty, expressed or implied, concerning Xtreme Power Conversion equipment, and the only obligation of XPC Corporation under this warranty, shall be the repair or replacement of defective equipment, components, or parts; or, at XPC Corporations sole discretion, refund of the purchase price or substitution of an equivalent replacement product.