

XPD-IT6KW & IT10KW

User & Installation Manual

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1. Important Safety Instructions

Please comply with all warnings and operating instructions in this manual strictly. Save this manual properly and read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully.

- Do not try to repair the unit yourself, contact your local supplier or your warranty will be void.
- To eliminate any overheating of the Transformer box, keep all ventilation openings free from obstruction and do not place any foreign objects on top of the Transformer box. Keep the Transformer box 20 cm away from the wall.
- Do not install the Transformer box under direct sunlight. Your warranty will be void if the iso fail due to overheating.
- This Transformer box is not designed for use in dusty, corrosive and salty environment.
- The warranty for this Transformer box will be void if water or other liquid is spilt or poured directly onto the Transformer box. Similarly we do not warrant any damage to the Transformer box if foreign objects are deliberately or accidentally inserted into the Transformer box enclosure.
- Servicing of Transformer box should be performed or supervised by trained personnel with knowledge of Transformer box and the required precautions.

Operating environment

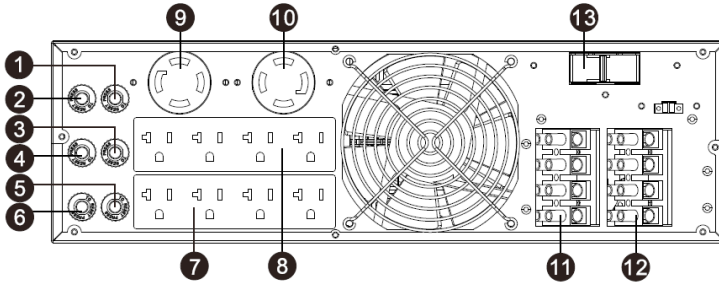
Temperature	Storage	-15°C ~ 45°C
Maximum altitude	Operation	1,000 meters
	Storage	15,000 meters (50000 feet)
Humidity	Relative Humidity	

- Make sure the Transformer box is installed within the proper environment as specified.

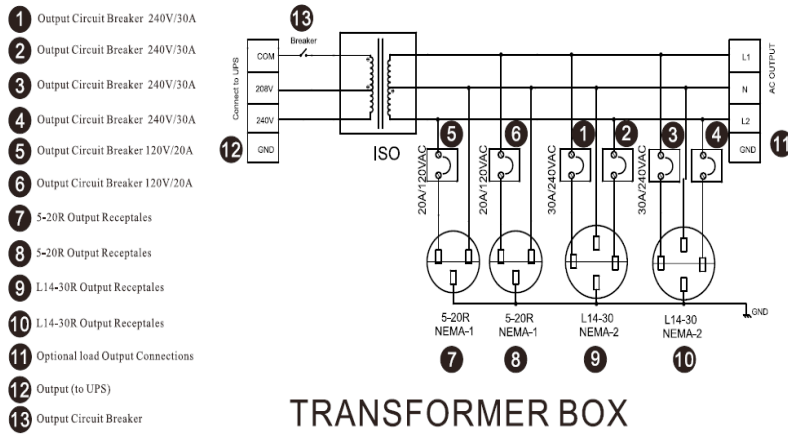
2. Product Overview

- NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. Please keep the original package in a safe place for future use.

2.1 Rear Panel View



- 1 Output circuit breaker 240V/30A
- 2 Output circuit breaker 240V/30A
- 3 Output circuit breaker 240V/30A
- 4 Output circuit breaker 240V/30A
- 5 Output circuit breaker 120V/20A
- 6 Output circuit breaker 120V/20A
- 7 5-20R output receptacles
- 8 5-20R output receptacles
- 9 L14-30R output receptacles
- 10 L14-30R output receptacles
- 11 Optional load output connection
- 12 Input (to UPS output)
- 13 Output circuit breaker



3 Installation and Setup

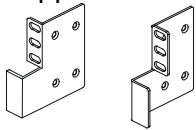
3.1 Unpacking & Inspection

1. Remove the Transformer box from the packing.

Note: The Transformer box is very heavy, be cautious when unpacking and lifting the unit to avoid injury.

2. Check the inside package

- Handles for rack installation x 2
- Handle screws x 8
- Temperature signal cable x 1
- Cable glands x 2
- Metal plates x 2
- Support feet extend plates x 4



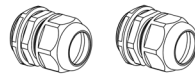
Handles for rack installation



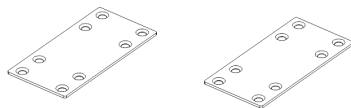
Handle screws



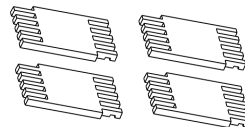
Temperature signal cable



Cable glands



Metal plates



Support feet extend plates

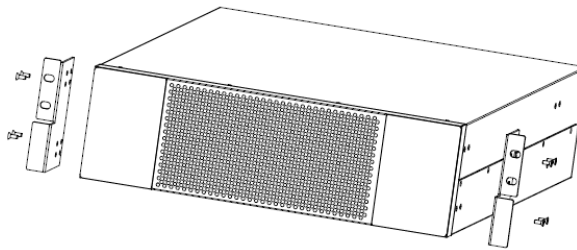
3.2 Selecting Installation Position

It is necessary to select a proper environment to install the unit, in order to minimize the possibility of damage to the Transformer box and extend the life of the Transformer box. Please follow the instructions below:

1. Keep at least 20cm (8 inches) clearance from the rear panel of the unit from the wall or other obstructions.
2. Do not block the air-flow to the ventilation openings of the unit.
3. Please ensure the installation site environmental conditions are in accordance with the unit's working specifications to avoid overheat and excessive moisture.
4. Do not place the unit in a dusty or corrosive environment or near any flammable objects.
5. This unit is not designed for outdoor use.

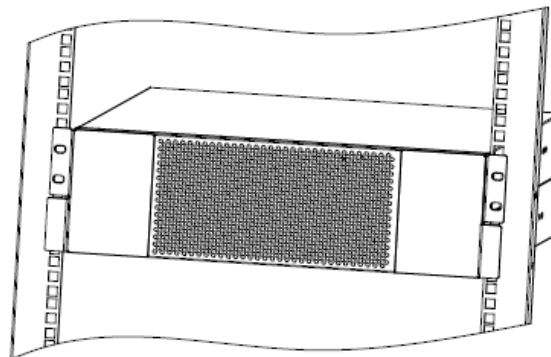
3.3 Install into rack enclosure

Step 1: Attach mounting ears to the side mounting holes of Transformer box using the screws provided and the ears should face forward. Please refer to chart 1.

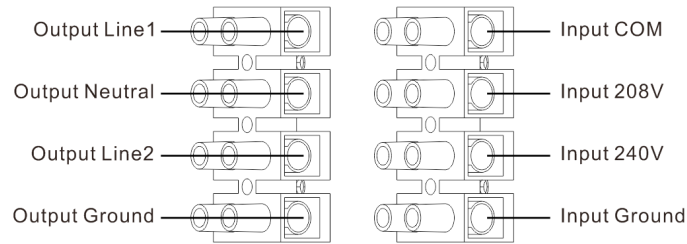


Step 1

Step 2: Lift the Transformer box module and slide it into rack enclosure. Attach the Transformer box to the rack with screws, nuts and washers (user-provided) through its mounting ears and into the rack rails. Please refer to chart 2.



Step 2



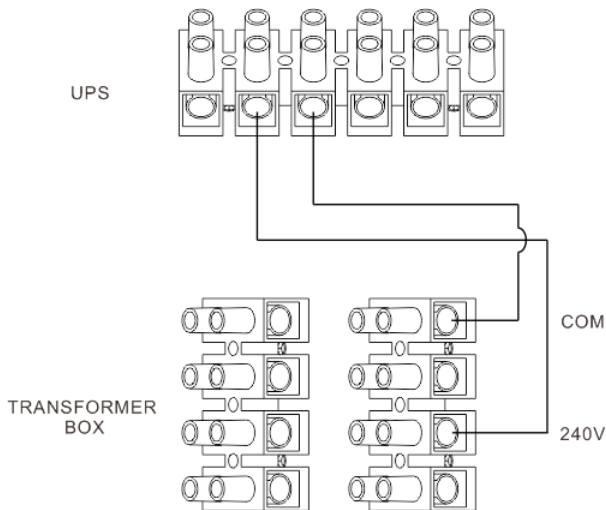
Terminal block wiring diagram of TRANSFORMER BOX

3.4 Connecting with UPS

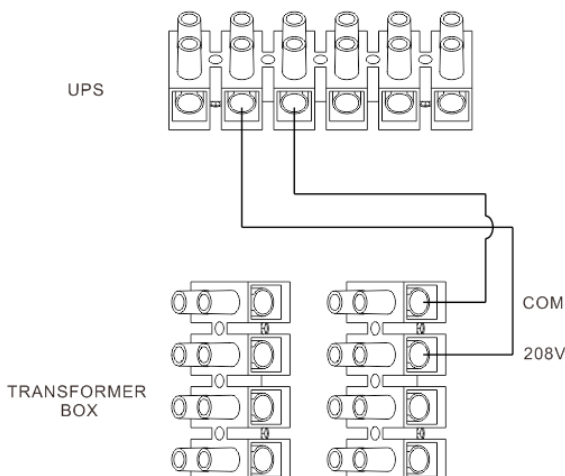
Output of the UPS should be connected to the input of transformer box and the output of transformer box is the final output of system.

Follow below diagram to connect UPS output to Input of transformer box.

240V Input



208V Input



Confirm the UPS output voltage through the front panel and verify that it matches the transformer box output voltage.

For example, if the input to UPS is 208V, then voltage selection should be 208V.

There are 3 different output configurations on transformer box

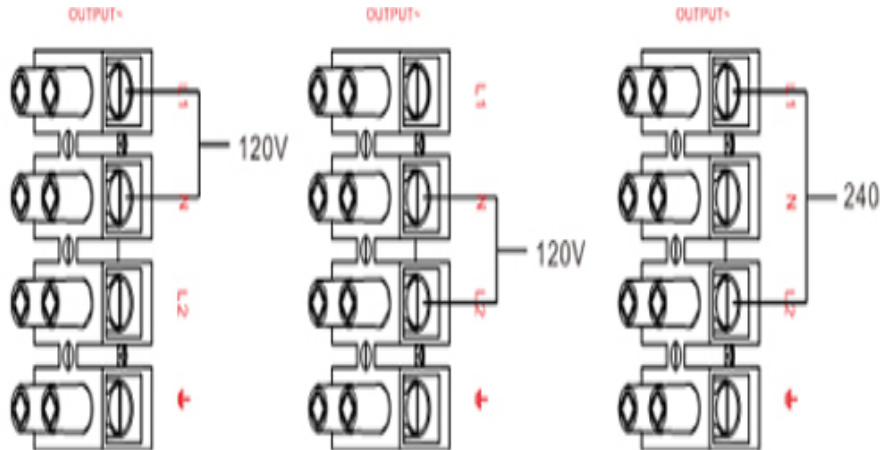
The follow figure shows the transformer box block diagram. The I/O terminal block is hardwired. Before making hardwire, please be sure the power is completely off.

Switch off utility power at the distribution point where the transformer box will be connected.

Be absolutely sure there is no power.

Verify that the output circuit breaker is in the OFF position.

Three output configurations and the wiring is listed as below:



Option 1: Connect L1 and N to get 120V output

Option 2: Connect L2 and N to get 120V output

Option 3: Connect L1 and L2 to get 240V output

- Do not overload the transformer box. For 120V output voltage, the output of L1 or L2 can only be half-loaded.

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 XPD-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.