XTREME
Power Conversion®

XSTi Standby UPS
400VA, 600VA, 800VA Models

User & Installation Manual

Table of Contents

Package Contents

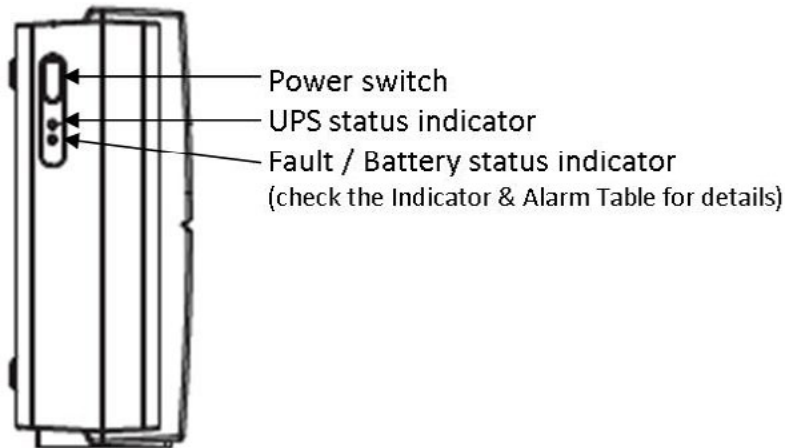You should be receiving the following items inside the package:
- UPS Unit
- User Manual
- Local Monitoring Software CD - XSTi-600/800 models
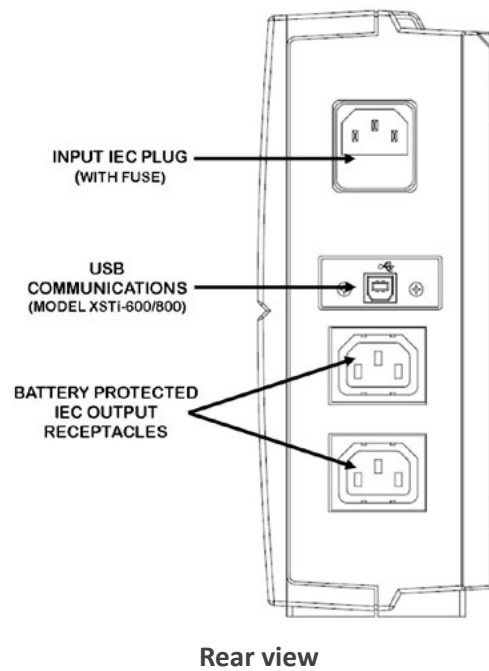- USB cable - XSTi-600/800 models

Product Introduction

Thank you for selecting this uninterruptible power supply (UPS). It provides you with protection for connected equipment. Please read this manual before installing the XSTi Series UPS models XSTi-400, XSTi-600, and XSTi-800 as it provides important information that should be followed during installation and maintenance of the UPS and batteries, allowing you to correctly set up your system for the maximum safety and performance. Included is information on customer support and service, if it is required. If you experience a problem with the UPS, please refer to the Troubleshooting section in this manual to correct the problem. If the problem is not corrected, please collect information so that the Technical Support personnel can more effectively assist you.

Product Overview

The XSTi Series UPS provides comprehensive protection in a small and economical package. This UPS is compact, offering greater power. The XSTi has been designed with a microprocessor to guarantee high reliability, and provides stable power to connected equipment, enabling shutdown of your PC or other equipment safely during a power failure. It's a perfect solution for any home or small office environment.

Power switch
UPS status indicator
Fault / Battery status indicator
(check the Indicator & Alarm Table for details)
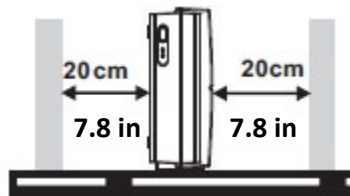
Front view

Rear view

Installation & Initial Startup

Note: Before installation, inspect the unit and packaging to make sure that nothing inside has been damaged.

Placement & Storage
Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Place the UPS away from other units at least 7.8 in (20 cm) to avoid interference. DO NOT operate the UPS where the temperature and humidity is outside the specified limits. (See Specifications for details).

Connect UPS to Utility and Charging
Before the initial use of the UPS, plug the UPS input cord into a wall outlet and turn the UPS on by depressing the Power switch on the front of the UPS. For best results, the batteries in the UPS should be charged for at least 8 hours before use. The UPS charges its battery while it is connected to AC utility power and powered on.

> **CAUTION: NEVER** connect a laser printer or scanner to the UPS. This may cause damage to the unit.

Connecting the Loads
Plug the loads to be supported by the UPS into the output receptacles on the rear of the UPS. Simply turn the power switch on the UPS on and the devices connected to the UPS will be protected by the UPS unit.

Turn UPS ON / OFF
To turn the UPS unit on, press the Power switch on the front of the UPS. To turn the UPS unit off, press the Power switch on the front of the unit again.

Connecting Local Monitoring Software (optional)
If it is desired to use the Local Monitoring Software, and if your UPS is equipped with USB communications, connect a USB cable from your computer to the UPS, and install the software from the CD.

Indicators & Alarm Conditions

Condition	Visual Indicator	Alarm
AC mode	Blue LED illuminated	No Audible Alarm
Battery mode	Blue LED flashes every 10 seconds	Audible Alarm sounds every 10 seconds
Low battery mode	Blue LED flashes every 1 second and Red LED is illuminated	Audible Alarm sounds every 1 second
Fault	Red LED is illuminated	Audible Alarm is continuous
Alarm for over temperature protection	Red LED flashes every 0.5 seconds	No Audible Alarm

IMPORTANT SAFETY INSTRUCTIONS: (SAVE THESE INSTRUCTIONS)

CAUTION! (UPS having Internal Batteries): Risk of electrical shock – Hazardous live parts inside this unit are energized from the battery supply even when the input AC power is disconnected.

CAUTION! (No User serviceable Parts): Risk of electrical shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION! (Non-isolated Battery supply): Risk of electric shock, battery circuit is not isolated from AC input, hazardous voltage may exist between battery terminals and ground. Test before touching.

WARNING! Unit intended for installation in a controlled environment.

CAUTION! Do not dispose of batteries in a fire, the battery may explode.

CAUTION! Do not open or mutilate the battery, released electrolyte is harmful to the skin and eyes.

CAUTION! A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed when working on batteries:
- Remove watches, rings or other metal objects.
- Use tools with insulated handles.

To reduce the risk of electric shock, disconnect the UPS from the main supply before installing a computer interface signal cable. Reconnect the power cord only after signaling interconnections have been made.

Servicing of batteries should be performed or supervised by personnel with knowledge of batteries and the required precautions. Keep unauthorized personnel away from batteries.

The instructions contained within this safety manual are deemed important and should be closely followed at all times during installation and follow-up maintenance of the UPS and batteries.

CAUTION: The unit has a dangerous amount of voltage. If the UPS indicator is on, the unit's outlets may have a dangerous amount of voltage even when not plugged into the wall outlet because the battery may continue to supply power. Care should be taken to undertake installation indoors, free from electrically-conductive particles which are under temperature and humidity control, in order to reduce the risk of electric shock. It is best to disconnect the device using the power supply cord. Ensure that the equipment is placed in a position near the outlet where easily accessible. All servicing on this equipment must be carried out by qualified service personnel. Before conducting any maintenance, repair, or shipment, first ensure that everything is turned off completely and disconnected.

Troubleshooting

Condition	Visual Indicator	Alarm
No LED display on the front UPS panel	Low battery	Charge the UPS at least 8 hours
	Battery fault	Replace the battery with the same type of battery
	The UPS is not turned on	Press the Power Switch on the front of the UPS
Alarm continuously sounds when the AC input is normal	The UPS is overloaded	Remove some of the load from the output of the UPS
	UPS fault	Return the unit for service
Alarm sounds every 2 seconds when the AC input is normal	Battery defect	Replace the battery with the same type of battery
	Charging circuit is damaged	Return the unit for service
When power fails, backup time is shorter than expected	The UPS is overloaded	Remove some of the load from the output of the UPS
	Battery voltage is too low	Charge the UPS at least 8 hours
	Battery defect	Replace the battery with the same type of battery
The AC input is normal but the blue LED is flashing	Power cord is loose	Reconnect the input power cord properly

Specifications

Model	XSTi-400	XSTi-600	XSTi-800
Capacity	400VA/240W	600VA/360W	800VA/480W
Input			
Voltage	230 VAC		
Range	180 - 270 VAC		
Frequency	50 Hz		
Output			
Voltage (AC mode)	230 VAC		
Voltage (bat mode)	230 VAC ± 10%		
Transfer Time	2 - 6 ms (typical)		
Waveform	Simulated Sine Wave		
Battery			
Type & Qty	(1) 12V/4.5AH	(1) 12V/7AH	(1) 12V/9AH
Runtime	Up to 38 min	Up to 68 min	Up to 87 min
Charging Time	8 hours to 90% capacity		
Protection	Overcharge, discharge, short circuit, and thermal		
Physical			
Dimensions (W x D x H)	82.5 x 228 x 207 mm (3.2 x 8.9 x 8.1 in) *in vertical stand position*		
Weight	2.2 kg (4.8 lbs)	2.7 kg (5.9 lbs)	3.1 kg (6.8 lbs)
Input Cord	IEC 1.5m with Schuko Plug		
Environmental			
Humidity	0 - 90%		
Temperature	0 - 40°C (32 - 104°F)		
Altitude	3500m (11,500 ft) above sea level		

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.