

# Step Up Voltage & Frequency Converter

**Input Range: 100Vac- 285Vac**  
**Input Frequency: 50Hz/60Hz Automatic**  
**Output: 200V-220V-230V-240V (Selectable)**  
**Output Frequency: 50Hz/60Hz (Selectable)**



Model Numbers: UX-1K, UX-1.5K, UX-2K

Available in 1KVA, 1.5KVA, and 2KVA Models

## 220 Volt/50Hz AC Power Source

This series is a double conversion Power Converter which produces stable pure sine wave voltage and frequency output (O/P). With this Converter, you can protect your equipment from most power issues, including power sags, power surges, brownouts, and line noise. With the common neutral topology, the converter provides internal connection from AC I/P neutral to AC O/P neutral; thus, it does not need to use an isolation transformer to provide 0 volt from AC I/P neutral to O/P neutral. This feature will reduce the interference to loads of communication or video systems.



UX-1.5K & UX-2K

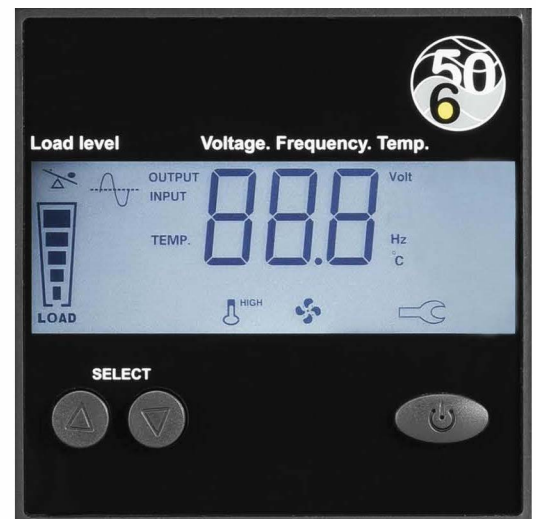


UX-1K

## Features

- Outstanding Performance & Reliability
- Common Neutral, Double Conversion Topology (O/P Neutral to I/P Neutral is 0 volts normally)
- Wide Range Input Window and Input Power Factor Correction
- Low Noise, Smart Cooling Fan Design
- High Efficiency, New Full-bridge Inverter Design
- Automatic Restart After Overload Shutdown
- AC Input Generator Compatible
- Remote Emergency Power Off

## Multifunction LCD Screen



# STEP-UP Voltage and Frequency Converter (UX-URX series)

1000VA/ 1500VA / 2000VA

UX-1K/UX-1.5K / UX-2K

## Output

Capacity	1000VA/900W	1500VA/1350W	2000VA/1800W
Output Voltage	200V/220V/230V/240V Selectable		
Voltage Waveform	Sine wave		
Crest Factor	3 : 1		
Output Frequency (sync to mains)	50/60Hz (selectable from LCD function button)		
Output Frequency (not sync to mains)	50±0.01Hz or 60±0.01Hz		
Regulation	±2% of selected output voltage ( <i>adjustable by using the settings software</i> )		
Output Current 200 V ~ 240 V	4.2 Amp	6.3 Amp	8.4 Amp
Output Peak Current (<250mS)	13 Amp	20 Amp	27 Amp
Overload Protection	100%~129% for 60 seconds, then audible alarm; audible alarm sounds for 60 seconds before shutting down  >130%, alarm will go off for 2 seconds and then shut down		
Harmonic Distortion	<3% (at full resistive load)		
Efficiency	Up to 90%		

## Input

Voltage Range	100V~285Vac
Frequency Range	45~70Hz
Power Factor	≥0.98
Surge Current	<100A, 3mS

## Communications & Management

Control panel	LCD
Audible alarm	Overload alarm: Short-circuit alarm, Thermal alarm

## Environmental and Safety

Operating Temp.	Up to 1500 meters: 0°C to 40°C (32°F to 104°F)
Transit/Storage Temp.	-15°C to 55°C (5°F to 131°F)
Relative Humidity	5 - 95% non condensing
Operating Altitude	0 ~ 3000 meters
Audible Noise	≤45 dBA (at 1 meter from surface of unit)
Safety Markings	BSMI CE

Quality Control System	ISO9001
------------------------	---------

## **Physical**

Unit Dimensions D x H x W	UX-1K: 38×20×18cm	15×8×7in
	UX-1.5K: 45×20×18cm	18×8×7in
	UX-2K: 51×20×18cm	20×8×7in
Unit Weight	UX-1K: 6.5kg	14 lbs
	UX-1.5K: 7kg	15.5 lbs
	UX-2K: 8kg	17.6 lbs
Shipping Dimensions D x H x W; Weight	UX-1K: 31.7×51×35.5cm;7.26kg	20×12.5×14in;16lbs
	UX-1.5K: 31.7×56×35.5cm;8.85kg	22×12.5×14in;19.5lbs
	UX-2K: 31.7×63.5×35.5cm;10.6kg	25×12.5×14in;23.5lbs