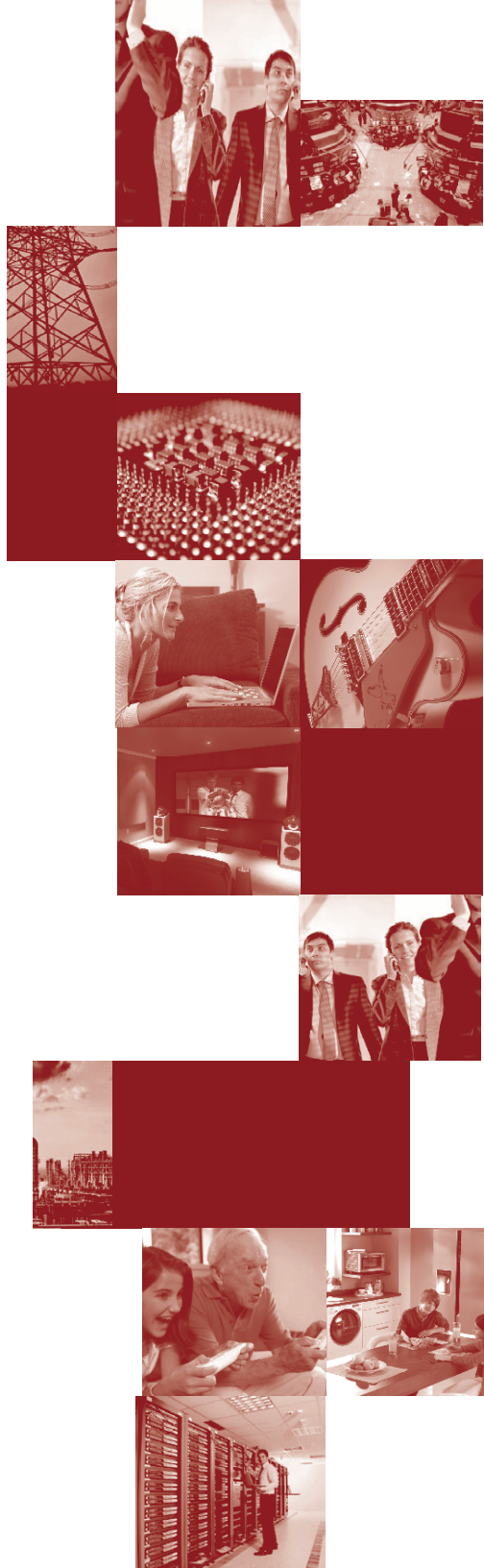




2 years of warranty

**Bolivia:** 800-100156  
**Colombia:** 01800-5181617  
**Costa Rica:** 800-4357237  
**Salvador:** 800-6773  
**Honduras:** 800-25616099  
**Mexico:** 001800-5148611  
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**Peru:** 0800-54674  
**Donican Republic:** 1888-7514876  
**Venezuela:** 0800-1627485



**BKU-** 1006AX/2008AX

User Manual



**Advanced Power Protection**

A Full line of products designed for the modern family with advanced features and characteristics needed for todays modern devices.

## SAFETY INSTRUCTION



**CAUTION!** To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

**CAUTION!** To reduce the risk of overheating the UPS, do not cover the UPS's cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.

**CAUTION!** Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to the UPS.

**CAUTION!** Do not plug the UPS input into its own output.

**CAUTION!** Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.

**CAUTION!** In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.

**CAUTION!** Do not attach a power strip or surge suppressor to the UPS.

**CAUTION!** If the UPS has a metal chassis, for safety purpose, the UPS must be grounded during installation in order to reduce leakage current below 3.5mA.

**Attention!** Hazardous through electric shock. Also with disconnection of this unit from the mains, hazardous voltage still may be accessible through supply from the battery. The battery supply should be therefore disconnected from the plus and minus pole by removing the quick connectors of the battery cables when maintenance or service work inside the UPS is necessary.

**CAUTION!** Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

**CAUTION!** When replacing the batteries, use the same number and type of batteries.

**CAUTION!** Internal battery voltage is 12VDC. Sealed, lead-acid, 6-cell battery.

**CAUTION!** Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.

**CAUTION!** Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

**CAUTION!** A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed before replacing batteries:

- 1) Remove watches, rings, or other metal objects.
- 2) Use tools with insulated handles.
- 3) Wear rubber gloves and boots.
- 4) Do not lay tools or metal parts on top of batteries.
- 5) Disconnect charging source prior to connecting or disconnecting battery terminals.

This product is an intelligent line interactive UPS (Uninterruptible Power Supply) which is designed to protect your personal computer or sensitive electronic equipment from all forms of power interference, including complete power failure. It is equipped with many features that allow any attached equipment to operate longer and more reliably.

You should have received the following items inside of package:

1. UPS unit.
2. User manual.
3. USB cable.
4. Software for Monitoring and Control of UPS.

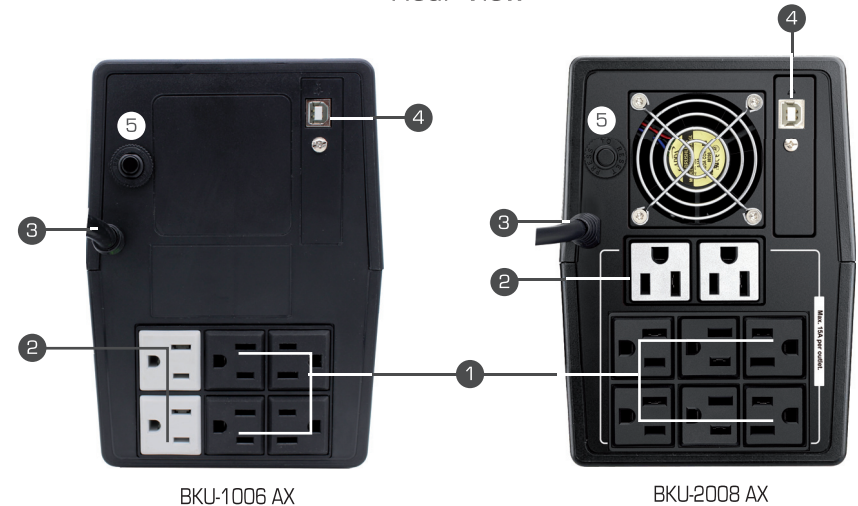
## 1. Product Overview

### Front View



1. Power switch.
2. LCD display (Refer to LCD operation for details)

### Rear View



1. Output receptacles.
2. Surge-protected receptacles.
3. AC input.
4. Communication interface
5. Circuit breaker.

## 2. Installation and Operation

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged.

### 1) Placement & Storage Conditions.

Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Please place the UPS at least 20 cm away from other electronic equipment to avoid interference. Do NOT operate the UPS where the temperature exceeds 0-40° C and the humidity is over 0-90% RH.

### 2) Connect to Utility and Charge

Plug in the AC input cord to the wall outlet. For the best results, we suggest charging the battery for at least 6 hours before initial use. The unit charges its battery when connected to AC power supply.

### 3) Connect the Load.

Plug in the loads to output receptacles on the rear panel of the UPS. Simply turn on the power switch of the UPS unit, and devices connected to the UPS will be protected by the UPS unit.



Do not attach a power strip or surge suppressor to the UPS.



NEVER connect a laser printer or scanner to the UPS unit, because in-rush current generated by motor's devices may cause damage to the unit.



### 4) Turn On/Off the Unit.

Encienda el UPS pulsando el interruptor de encendido. Apague la unidad UPS pulsando el interruptor de encendido.

## 3. Trouble Shooting

Use the table below to solve minor problems.

| Problem                                    | Possible Cause  | Solutions  |
|--|---|--|
| No words displayed on the front panel.     | Low battery.  | Charge the UPS for at least 6 hours.               |
|  | Battery fault.  | Replace the battery with the same type of battery. |
|  | The UPS is not turned on.   | Press the power switch again to turn on the UPS.   |
| Alarm sounds continuously.                 | Please check fault code table for the details.  | Please check fault code table for the details.     |
| When power fails, back-up time is reduced. | The UPS is overloaded.  | Remove some critical load.                         |
|  | Battery voltage is too low.   | Charge the UPS at least 6 hours.                   |
|  | Battery defect. May be due to high temperature operation environment, or improper operation of battery. | Replace the battery with the same type of battery. |
|  | Power cord is loose.  | Reconnect the power cord properly.                 |

If any abnormal situations occur that are not listed above, please call for service immediately.

## 4. LCD Operation

| UPS Mode                  | LCD | Description   |
|---------------------------|-----|---|
| UPS Power on              |     | When UPS is powered on, it will enter this mode for few seconds.  |
| Standby Mode              |     | Only input voltage is displayed even LCD is touched again.  |
| AC Mode                   |     | When AVR is functioning,  icon will flash every second.<br>LCD information will be displayed in the following order when LCD is touched.<br>1. Output voltage. 3. Load level.<br>2. Input voltage. 4. Battery capacity.                           |
| Overload in AC mode.      |     | icon will flash.<br>When overload occurs, alarm will beep every 0.5 second.   |
| Battery Mode.             |     | When battery level is low,  icon will flash.<br>Alarm will beep every 10 seconds and LCD information will be displayed in the following order when LCD is touched.<br>1. Output voltage. 3. Load level.<br>2. Input voltage. 4. Battery capacity. |
| Overload in battery mode. |     | When overload occurs, alarm will beep every 0.5 second.<br>icon will flash.   |

NOTE: If backlight shuts off, you may activate it by touching the screen.

## 5. Fault Code

| Fault condition.                    | LCD | Solutions.   |
|-------------------------------------|-----|--|
| Output short circuited.             |     | Disconnect short-circuited loads and restart the UPS again.                                      |
| Overload fault.                     |     | Disconnect all output loads and restart the UPS again.   |
| Overcharge.                         |     | Call for service immediately.  |
| Bad or severely discharged battery. |     | Please replace the battery.  |
| High output voltage fault.          |     | Call for service immediately.  |
| Over-temperature.                   |     | 1. Turn off the unit and wait for cooling.<br>2. Or remove excessive loads and wait for cooling. |

If fault alarm occurs, please call for service immediately.

## Specifications

|                 |             |              |
|-----------------|-------------|--------------|
| <b>Model</b>    | BKU-1006 AX | BKU-2008 AX  |
| <b>CAPACITY</b> | 1000VA/600W | 2000VA/1200W |

### Input

|               |            |
|---------------|------------|
| Voltage       | 110/120Vac |
| Frequency     | 60 Hz      |
| Voltage Range | 81~145Vac  |

### Output

|                       |                                  |
|-----------------------|----------------------------------|
| Voltage               | 110/120Vac                       |
| AC Voltage Regulation | +/- 10%                          |
| Frequency Range       | 60HZ ± 1Hz                       |
| Waveform              | Simulated Sinewave               |
| Transfer Time         | 2-6ms, 10 ms. Max.               |
| Outlets Nema 5-15R    | 4 with backup /2 surge protected |

### Battery

|                       |                                   |             |
|-----------------------|-----------------------------------|-------------|
| Battery Type & Number | 12V/7AH x 2                       | 12V/7AH x 2 |
| Typical Recharge Time | 4-6 hours recover to 90% capacity |             |

### Indicators

|               |   |
|---------------|---|
| LCD indicator | AC mode \ BAT mode \ overload \ AVR mode \ fault \ input voltage<br>output voltage \ output frequency \ load percent \ battery capacity |
|---------------|---|

### Protection

|                 |  |
|-----------------|--|
| Full Protection | Overload, discharge, and overcharge protection |
|-----------------|--|

### Alarm

|                           |                           |
|---------------------------|---------------------------|
| Battery Mode              | Sounding every 10 seconds |
| Low Battery               | Sounding every second     |
| Overload                  | Sounding every 0.5 second |
| Battery Replacement Alarm | Sounding every 2 seconds  |
| Fault                     | Continuously sounding     |

### Physical

|                           |                 |      |
|---------------------------|-----------------|------|
| Dimension, D X W X H (mm) | 320 x 130 x 182 |      |
| Net Weight (kgs)          | 8.2             | 10.6 |

### Environment

|             |                                      |
|-------------|--------------------------------------|
| Humidity    | 0-90 % RH @ 0- 40°C (non-condensing) |
| Noise Level | Less than 45dB                       |

### Management

|                          |   |
|--------------------------|---|
| Optional USB/RS-232 Port | Supports Windows® 2000/2003/XP/Vista/2008/7, Linux, Unix, and MAC |
|--------------------------|---|

## Warranty

CHICAGO DIGITAL POWER INC. warrants this product for a period of one year (with possible extension up to 2 years) on all parts and labor against defects and workmanship from the date of delivery to the consumer.

I. To enforce this guarantee greater requirement cannot be required that the presentation of this policy with the product (except Mexico) in the place of purchase or service center CHICAGO DIGITAL POWER INC. against defects in manufacture and operation, imperfections of materials, parts, components and labor. For information on service centers in your country, so you should contact (other countries write servicio@cdpups.com):

**Bolivia:** 800-100156  
**Colombia:** 01800-5181617  
**Costa Rica:** 800-4357237

**Salvador:** 800-6773  
**Honduras:** 800-25616099  
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**Venezuela:** 0800-1627485

**Panama:** 011-00800-2268611  
**Peru:** 0800-54674  
**Donican Republic:** 1888-7514876

II. CHICAGO DIGITAL POWER INC. will repair the product and in the event that you consider not to be beyond repair, to change the team, as well as defective parts and components thereof without charge to the owner during the warranty period, and the cost Transportation Product reasonably incurred arising from compliance.

III. The repair time will not exceed thirty days from the date of receipt of the product at any of the sites where it can be guaranteed and where may also purchase parts and parts.

IV. Should this warranty policy is lost, the consumer can use your provider to issue a duplicate of the warranty policy on presentation of the sales slip or invoice.

This warranty does not apply in the following cases:

- a) When the product has been used in other than normal conditions.
- b) The product has not been operated in accordance with the instruction manual that accompanies it.
- c) The product has been altered or repaired by persons not authorized by the domestic manufacturer, importer or marketer respective responsible.
- d) Does not apply to normal wear or damage from accidents. Lack of physical earth and reversed polarity will void warranty.



(Please fill and deliver this data. Other way you won't be granted to access to the warranty)  
 (Warranty won't be given if the unit isn't with this format at the time of giving back to purchase point)

|  |                     |
|--|---------------------|
| Name: _____  | Purchase point seal |
| Address: _____   |                     |
| Phone: _____   |                     |
| E-mail: _____  |                     |
| Name and address purchase site : _____   | Delivery date       |
| Purchase point e-mail: _____   |                     |
| Product: Regulator <input type="checkbox"/> UPS <input type="checkbox"/> No-Break <input type="checkbox"/> Inversor <input type="checkbox"/> |                     |
| Model: _____   |                     |