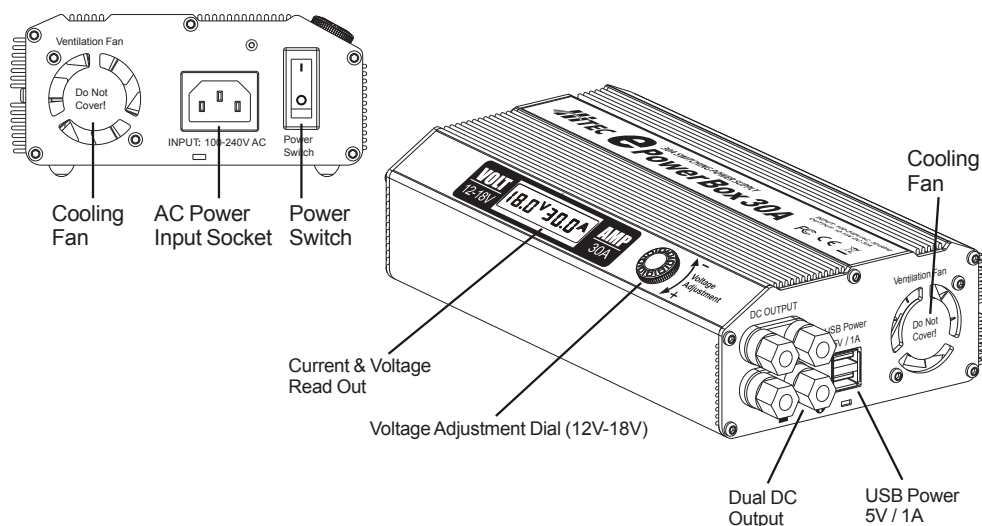


# INSTRUCTION MANUAL

## **HiTEC** 30A SWITCHING POWER SUPPLY **ePowerBox 30A**

### INTRODUCTION

Thank you for purchasing the ePowerBox 30A Switching DC Power Supply. Designed and manufactured with the most demanding battery chargers in mind, the ePowerBox 30A will deliver consistent, clean power for years of performance and reliability. The ePowerBox 30A converts a standard household power source (100-240 V AC) to DC power (15-18V DC). It can supply up to 30 amps (540 Watts) of continuous power.



1. Modular AC power jack for easy storage, main power switch and cooling fan.
2. Adjustable DC output voltage with integrated AMP and VOLT LCD status display.
3. Dual 12-18V DC outputs for multi-charger connections and dual 5V DC USB charging ports.

### FEATURES

- Two DC power outputs, up to 30 amps or a combined 540 total watts
- Adjustable output voltage 12-18V
- Large LCD indicates voltage output and current output (in amps)
- Two USB ports, 5 volts, 1000mAh total for MP3 player, mobile phone and digital cameras
- Smart cooling fan
- Temperature protection
- Overloading protection
- Short circuit protection

### CONNECTIONS

#### BINDING POSTS

1. Turn the sleeves of the red and black binding output posts counterclockwise to expose the wire hole.
2. Insert the device's positive wire (red) into the red binding post's wire hole, then tighten the binding post's sleeve to secure the wire in place.
3. Insert the device's negative wire (black) into the black binding post's wire hole, then tighten the binding post's sleeve to secure the wire in place.

#### BULLET/BANANA PLUGS

1. Turn the red and black binding post sleeves clockwise until secure.
2. Insert the device's positive wire (red) into the end of the red binding post.
3. Insert the device's negative wire (black) into the end of the black binding post.

**Warning!** To avoid damage to both the power supply and the device:

- Follow the correct polarity when connecting the power supply and the device(s).
- Do not let the ends of the positive and negative wires touch each other.

### OPERATION

1. Check all connections and confirm the AC household outlet has power prior to switching on the power supply.
2. After connecting the charger or other devices, turn the power switch ON to operate the power supply.
3. Turn the power supply OFF before connecting and disconnecting chargers or other devices.
4. Remove the output connections after use.

#### OVERLOAD PROTECTION

Your ePowerBox 30A power supply is equipped with a power overload protection circuit. In the event that the output demand from the connected devices is higher than a 540 watt total load, your PowerBox will automatically power down to protect the internal circuitry. If your device goes into overload protection and automatically powers off, simply turn the power switch to the OFF position, reduce the load (charging rates) or disconnect some of the attached devices, and turn the switch to the ON position.

**Caution:** Place your power supply in a well ventilated, dry, cool area. Do not block the fan intake and discharge openings on either side of the power supply.

**Caution:** To reduce the risk of damage to internal circuitry, be careful not to short the output terminals during operation.

## IMPORTANT SAFETY INSTRUCTIONS

This manual contains important safety and operating instructions. Before you use the power supply, thoroughly read all the instructions and cautionary notes on the power supply and the products you will be connecting to the power supply.

- Do not use the power supply near water (for example: a bathtub, washbowl, kitchen sink, laundry tub, wet basement or swimming pool).
- Do not place the power supply on an unstable cart, stand or table. If the power supply falls, it could injure a person or cause serious damage to the power supply.
- Do not overload power outlets or extension cords. An overload can result in fire or electric shock.
- Do not disassemble this unit; take it to a qualified service technician contact Hitec RCD USA support when service or repair is required. Improper reassembly may result in a risk of electric shock or fire.
- Do not use an attachment not recommended for this power supply as risk of fire, electrical shock or injury could occur.
- Never force an object into the slot in the power supply. It could touch dangerous voltage points or short out parts, resulting in a fire or electrical shock.

**Danger:** To reduce the risk of injury, fire or electric shock, carefully follow all manual instructions.

**Caution -** To reduce the risk of damage:

1. Do not operate the power supply if it has been dropped or damaged in any way. Contact Hitec RCD USA support for repair.
2. The power supply should be operated only from a standard AC outlet that provides 100-240V AC, 50/60 Hz.
3. If you are not sure of the type of power supplied to your home, consult your local power company.
4. To protect the power supply during a lightning storm or when it has been unused for a long period of time, unplug it from the AC outlet. This will prevent damage to the power supply from lightning and power surges.
5. Unplug the power supply from the outlet before attempting any maintenance or cleaning.
6. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning and then wipe it dry immediately.
7. If your power supply does not operate normally, particularly if any unusual sounds or smells are being emitted, unplug it immediately and contact Hitec RCD USA support for repair.

## Warning:

- Please exercise extreme caution when using this product and follow instructions as detailed in the enclosed manual.
- Not intended for use by children under 14 years of age.
- If the product appears damaged in any way immediately discontinue its use and unplug it from the household current.



## SPECIFICATIONS

Voltage .....	100-240V AC
Input AC Frequency .....	50-60Hz
Output Voltage .....	12-18V DC±0.5V
Output Current .....	30A±1A / 540Watts
Current Overload Protection .....	≤31A 500MS
Input Fuse .....	10A Fuse
LCD Display .....	Voltage Precision ±0.3V Current Precision ±0.3A
Output Voltage Ripple .....	<150mV
Power Efficiency .....	89%
Power Factor .....	>0.98
Over Temperature Protection .....	<65°C (149°F)
Cooling Method .....	Cooling Fan
Operating Temperature .....	0-40°C (0-104°F)
Operating Humidity .....	0-90%
Dimensions (LxWxH) .....	218x139x59.5mm (8.58x5.47x2.34in.)
Net Weight .....	1.62kg (3.57lbs.)

Specifications are typical and subject to change without notice. Individual units may vary.

## WARRANTY

The ePowerBox 30A DC switching power supply has a one year guarantee from the date of purchase (verified by a dated, itemized sales receipt). This warranty does not cover cosmetic damages and damages due to acts of God, accident, misuse, abuse, negligence, improper installation or damages caused by alterations by unauthorized persons or entities. Hitec RCD, Inc. shall not be liable for any incidental or consequential damages for breach of any express or implied warranty relating to this product. We reserve the right to modify the warranty provisions without notice.

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