

# INSTRUCTION MANUAL

## Anbull Power Switching Supply



Dear Customer!

Thank you very much for your trust in us and our product.  
Please read these operating instructions carefully **before** start of operation.

### 1. Safety Rules and General Warnings

- ATTENTION: 110-264 Volts AC voltage, device is not suitable for children – danger of life!
- ATTENTION: The device is exclusively designed as a power supply and must not be used for other purposes.
- Persons, which are not able to use the device in a safe way, because of their physical, sensory or mental competence, or because of their inexperience, should not use the power supply without control or instruction of a skilled person. Look that the children don't play with the device.
- Do not cover the vent outlet during operation!
- If the mains connection of the device is damaged, you have to change it, with an original connection which is available at the manufacturer.
- Don't use the device near flammable gases, solvents or vapors. EXPLOSION RISK!
- Use the device only in dry rooms and protect against dust.
- Protect against direct solar radiation.
- Clean with a dry cloth only.
- No fluids of any kind must get into the device.
- In case of obvious damage or malfunction immediately disconnect the device from mains supply and protect against unintended reconnection.
- Do not open! Repair work must only be accomplished by authorized companies or specialized technical staff.

## 2. General Information

This product is a new type of switching power supply controlled by pulse width modulation (PWM) technology. The input AC voltage is rectified and filtered to produce a DC voltage. Under the control of a dedicated chip, the transformer and switching devices in the circuit generate a high-frequency square wave voltage. After passing through a high-power rectifier tube, it outputs a high-precision and highly stable DC Voltage.

- Product Type: Indoor Power Supply
- Product parameters: Input voltage: AC220V or AC110V 50V/60Hz
- Output voltage: DC 12V
- Output current: 50A
- Applicable electrical power: <600W
- Product size: 230\*115\*55 mm

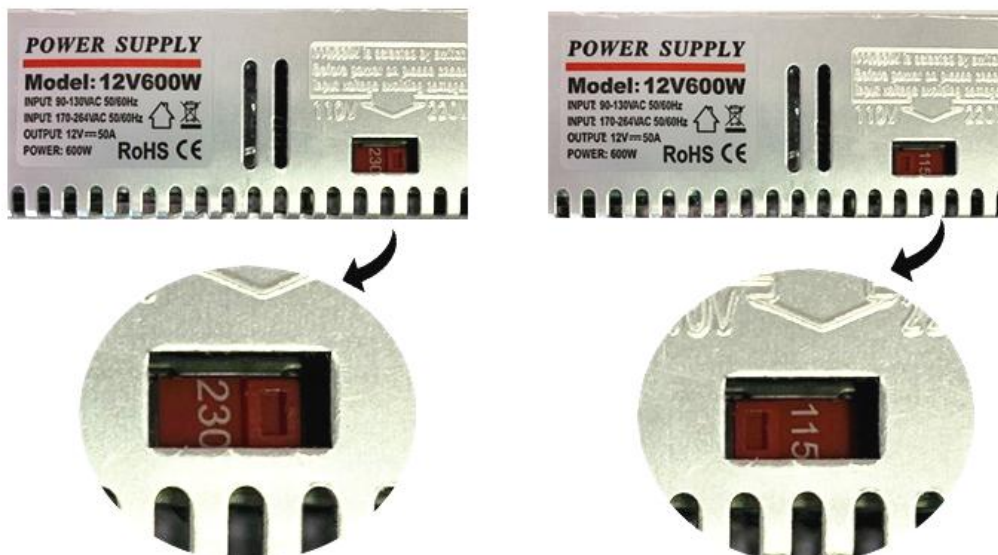
## 3. Special Features

- Small size and Light Weight
- Width Range of Input Voltage: the allowable input voltage ranges from 110-264V
- Safety, Reliable (Implement Standard: GB4943)
- Excellent Performance: The high-power switching power supply has a 5-10 second delay detection circuit design, which can prevent the power supply from outputting unstable high voltage at the moment of power-on, thereby preventing the load from being impacted by high voltage
- Protection: Short Circuit, Over Current, Over Heating Protection
- Installation Method: This product is not designed for rainproof (indoor) use
- Power Supply Protect Function will start when over loaded; please reduce load once on-off unusual status happened.

## 4. Precaution & Installation Method

### 1) Precautions

- Input voltage should connect into the allowance range of working voltage (Input voltage 115VAC or 230 VAC).



- Strictly prohibited to use power supply in high temperature environment, it should has favorable heat transfer space and environment.
- Strictly prohibited to install power supply on inflammable (ex: woodwork, flammable plastic etc), should keep away from petrol stations or places where fireworks are prohibited.

## 2) Installation Method

- Connecting to the indicated position according to power supply output terminal strictly, the wiring must be stable and make sure that the Input-Output wiring is not reversed. ( Input "110V AC or 220VAC" connect to the mains; Output "+" should connect to load anode, output "-" connect to constant cathode).
- Please use multimeter to check if input voltage is identical to working voltage before the current is switched on ( Working Voltage 110VAC or 220VAC), You can have your electricity after confirmation.
- Install wiring diagram



## 5. Disclaimer of Warranty

- 1) Under normal conditions of use, the product has a warranty period of one year from the date marked on the factory. If the product fails during the warranty period, it is a quality problem detected by our company and will be guaranteed for free.
- 2) The following cases are not covered by the warranty.
  - Damaged due to installation and use not in accordance with the instructions
  - Damaged due to the user's disassembly of the internal components of the power supply
  - The box is afloat
  - The shell is damaged or twisted
  - The date marked on product has been erased or altered.
  - Connecting terminal is charred.
  - Input-Output reversed
  - The company's biggest responsibility for the factory products is to replace products of the same model and quantity.