



Yaheeda Switch Transformer for RV Pump LED Strip LCD Monitor

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Yaheeda

Yaheeda Switch Transformer for RV Pump LED Strip LCD Monitor



Specifications

- **DIMENSIONS:** 7 x 3.3 x 1.6 inches
- **WEIGHT:** 68 pounds
- **OUTPUT VOLTAGE RANGE OF DIFFERENCE:** 1% Efficiency: >83%
- **LEAKAGE CURRENT:** <1mA / 230V
- **AC INPUT VOLTAGE:** AC 110V(85-145V) / 220V(185-265V)
- **DC OUTPUT VOLTAGE:** DC 12V
- **CURRENT RANGE:** 0-50A
- **MAX POWER:** 600W
- **WORKING TEMPERATURE:** 14°F-140°F
- **CONVERSION EFFICIENCY:** 85%
- **START, RISE, HOLD TIME:** 200ms,50ms,20ms

Introduction

The output current varies depending on the device, for example, DC 12V 10A 120W, 20A 240W, 35A 420W, and the peak current is 50A, peak power 600W. The input voltage is AC 110V / 220V (85-145V / 185-265V). recommended for machinery under 40A and 480W. SMPS peak power device power 1.25 times for resistive devices. The peak power of the SMPS for a motor device must be greater than twice that of the motor.

Having a red button on/off switch makes power start/stop operations more secure and practical. It is built with an imported aluminum alloy cover, the switch transformer Dual power connection ways built into the design.

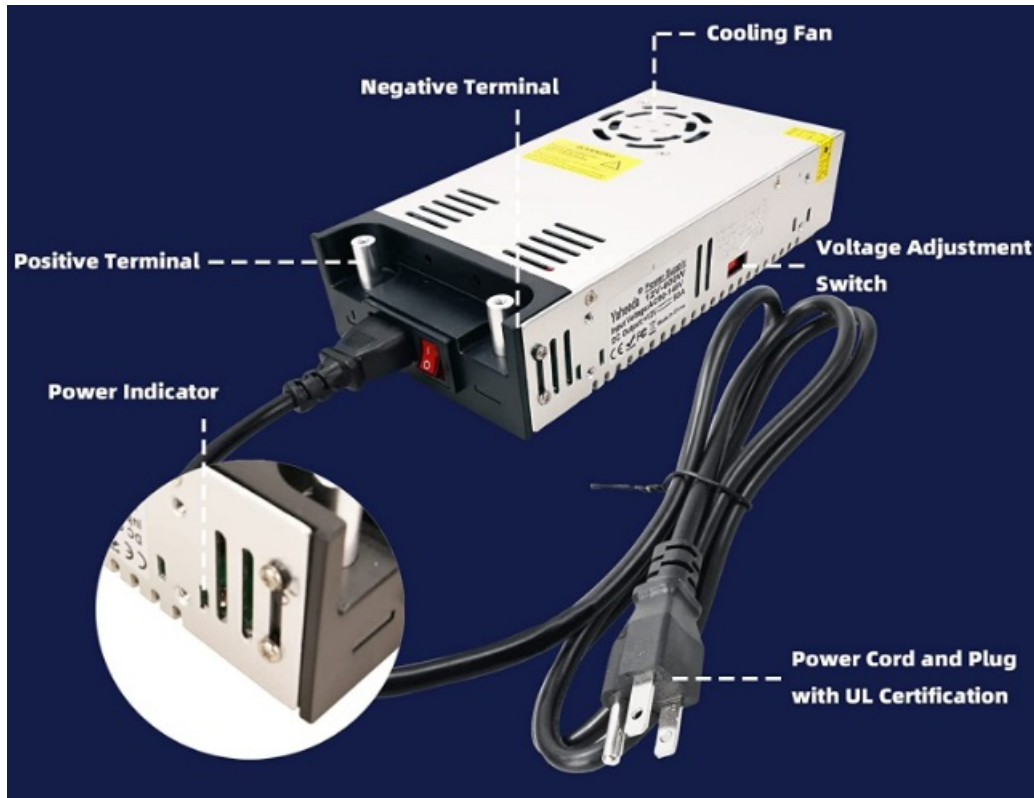
A converter with 12V 50A 600W Power Supply, UL power cord, wire lugs, metal clip, and screw. Before disconnecting the connection, set the dial to the appropriate gear position and turn off the power.

Multiple power sources running simultaneously at various current/wattages. Used on: DC 12V Pump, PCP Air Compressor, Winch, Car Jack, Car Stereos, Amplifier, Radios, Air Compressor, LED Light Strip, Brushless Motor, Household Appliances, Electronic Devices, Automation Equipment, Computer Project, Servos, etc. Not to be used on: Programming, Adjustable-Speed Motor, PWM Motor, Dimming Light, Plant Light, DC Power Controller.

What's in the Box?

- Power Supply x 1
- Input Power Cable x 1
- Alligator Clips (copper) x 2
- Black knob Screw x 2
- Metal Screw x 2
- Cable Lugs x 2

AC to DC Converter



User Instructions

At the backside rotate the key to access the positive and negative terminals. Now place the connectors to establish a connection and screw back the keys. Now connect the power cord to the device and the plug to the wall outlet. Turn it on by pressing the power button. You can adjust the voltage from the voltage adjustment switch.

FREQUENTLY ASKED QUESTIONS

How do you convert 110V AC to 12V DC?

Simply purchase a converter made for the task from an electronics store or online, both of which will offer a wide selection, to convert 110 V AC to 12 V DC.

How do you make a 120V AC to 12V DC?

Solder one wire's end to the lead of the positive capacitor. Solder the other wire's other end to the negative capacitor lead. The positive and negative output lines of the 12V DC power converter can now be connected to a battery or circuit.

Can you convert AC to DC without transformer?

Yes, without the use of a transformer, we can also convert high voltage AC to low voltage DC; this is known as a transformer less power supply.

What is AC to DC converter called?

An electrical device called a rectifier changes alternating current (AC), which occasionally flips direction, into direct current (DC), which only flows in one direction. The inverter handles the reverse process.

What's the difference between converter and inverter?

Electricity is changed from alternating current (AC) to direct current using converters (DC). Electricity is changed from direct current (DC) to alternating current (AC) using inverters (AC).

How do you convert AC power to DC power?

Utilizing one or more diodes—those useful electrical parts that permit electricity to flow in one direction but not the other—is the most typical approach to change alternating current into direct current. Although alternating electricity is converted to direct current by a rectifier, the resulting direct current does not have a constant voltage.

Can capacitors convert AC to DC?

By itself, a capacitor cannot convert AC to DC. Bridge rectifiers required to be used to connect capacitors together in order to produce a smoother, ripple-free DC signal.

How can we step down voltage without transformer?

Without a transformer, the only way to step down voltage is to increase the circuit's resistance. This can be done by lengthening the feeder, which would increase voltage drop, or by including a resistor in the circuit.

How does a capacitor reduce AC voltage?

An X-rated capacitor with a 400 V rating and a 0.1 uF rating is connected in series with the phase line to lower the 220V AC. The capacitor and the 200 k ohm, 1 W power rated resistor R1 are connected in parallel. In order to ensure safety, the resistor R1 serves as a bleeder resistor.

Can I use a 12v power supply on a 19v?

Yes, you can use a "DC Boost" converter to raise the 12v to the necessary 19v and operate the TV if the 12v power source can provide more power (about 85% more watts) than the TV needs to operate.

How do you make a 110v DC power supply?

The question of whether a power source can output 110VDC comes up frequently. The response is that you can. To change the voltage up to 55 volts per supply, simply connect two 48 volt power sources in series.

How do you make a simple linear power supply?

Transform the 120VAC to a lower voltage using a transformer to create a straightforward linear power supply. The low voltage AC is then converted to DC using a rectifier, and the ripples in the DC are smoothed out using a capacitor.

How do I choose a capacitor for my power supply?

If your product will function over a wide temperature range, you should pick a capacitor with the smallest temperature coefficient. Polarization: The polarization of filter capacitors used in DC circuits specifies which way the electric field should be directed across the capacitor.

How do you limit DC voltage?

Simply by creating a voltage divider circuit with two resistors of identical value (for instance, two 10K resistors), we may cut the voltage in half. All you need to do to divide voltage in half is connect any two resistors of equal value in series with a jumper wire.



