

PS30

Low Voltage Switching DC Power Supply



Introduction

Congratulations on your purchase of the Triplett PS30 Power Supply. The Triplett PS30 is a low power switching DC power supply with 6 fixed output voltages and over current protection.

The unit has compact structure, double insulation, safety and easy operation, wide voltage import, good performance, novel appearance and more.

It is the ideal power supply unit for education, laboratory, factory, electronic appliance maintenance and more.

SAFETY PRECAUTIONS

These instruments fulfill the regulations of CE-LVD (EN-61010:2001) and CE-EMC (EN-55022:1998/+A1:2000; EN 55024:1998; EN61000-3-2:2000; EN61000-3-3:1995).

To ensure safe operation of the equipment and eliminate the danger of serious injury due to short-circuit (arcing), the following safety precautions must be observed.

Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever.

- * Prior to connection of the equipment to the mains outlet, check that the available mains voltage corresponds to the voltage setting of the equipment.
- * Connect the mains plug of the equipment only to a mains outlet with right sockets.
- * Do not place the equipment on damp or wet surfaces.
- * Do not subject the equipment to direct sunlight or extreme temperatures.
- * Do not subject the equipment to extreme humidity or dampness.
- * Replace a defective fuse only with a fuse of the original rating. Never short circuit fuse or fuse housing.
- * Do not exceed the maximum permissible input rating.
- * Conduct measuring works only in dry clothing and in rubber shoes, i.e. on isolating mats.
- * Comply with the warning labels and other info on the equipment.
- * Do not insert metal objects into the equipment by way of the ventilation slots.
- * Do not place water-filled containers on the equipment (danger of short-circuiting in case of knock over of the container).
- * Do not operate the equipment near strong magnetic fields (motors, transformers etc.).
- * Do not subject the equipment to shocks or strong vibrations.
- * Keep hot soldering iron or guns away from the equipment.
- * Allow the equipment to stabilize at room temperature before taking up measurements (important for exact measurement).
- * Do not modify the equipment in any way.
- * Do not place the equipment face-down on any table or work bench to prevent damaging the controls at the front.
- * Opening the equipment and any service and repair work must be performed by qualified service personnel. Repair work should be performed in the presence of a second person trained to administer first aid, if needed.
- * Power supplies do not belong to children's hands.

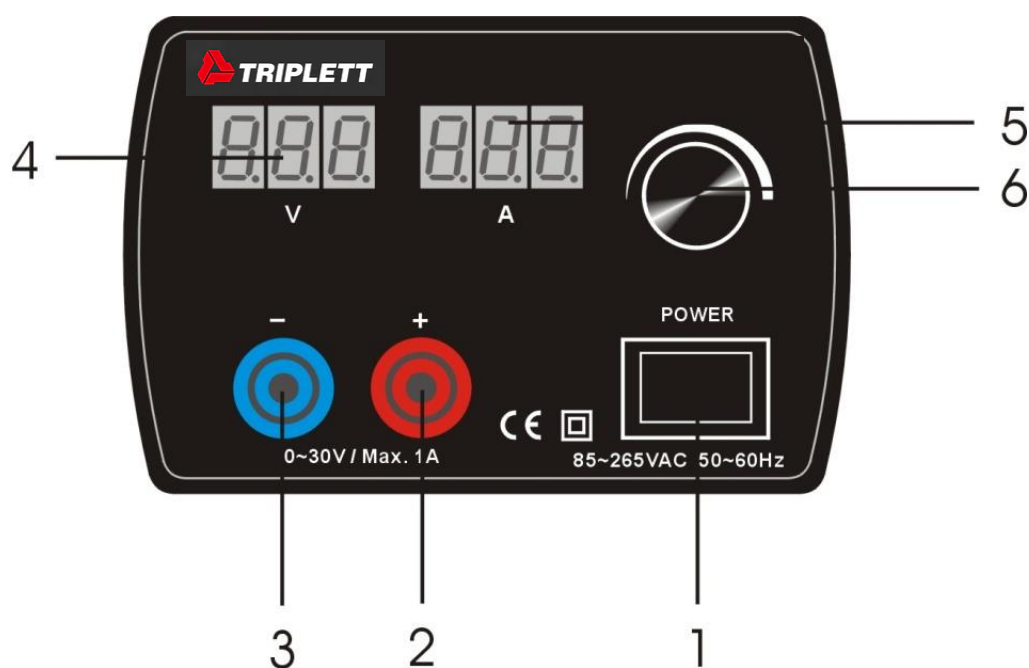
CLEANING THE CABINET

Prior to cleaning the cabinet, withdraw the mains plug from the power outlet. Clean only with a damp, soft cloth and a commercially available mild household cleaner. Ensure that no water gets inside the equipment to prevent possible shorts and damage to the equipment.

Specifications

Output Voltage	0 to 30.00V
Output Current	1A
Output Power	30W
Load Regulation	100mV
Line Regulation	15mV
Ripple and noise	70mVrms
Display	Dual 3-Digit LCD (voltage and current)
Power	85 to 265VAC, 50/60Hz
Dimensions / Weight	4.3 x 3 x 5.5" (110 x 74 x 140mm) / 10.6oz (300g)

Meter Description



- (1) Power switch: the unit is "ON" when in I position
- (2) Fixed DC output terminal (+): connecting the positive terminal of load
- (3) Fixed DC output terminal (-): connecting the negative terminal of load
- (4) Voltage display: display the output voltage
- (5) Current display: display the output current
- (6) Voltage adjustor: adjust the output voltage continuously

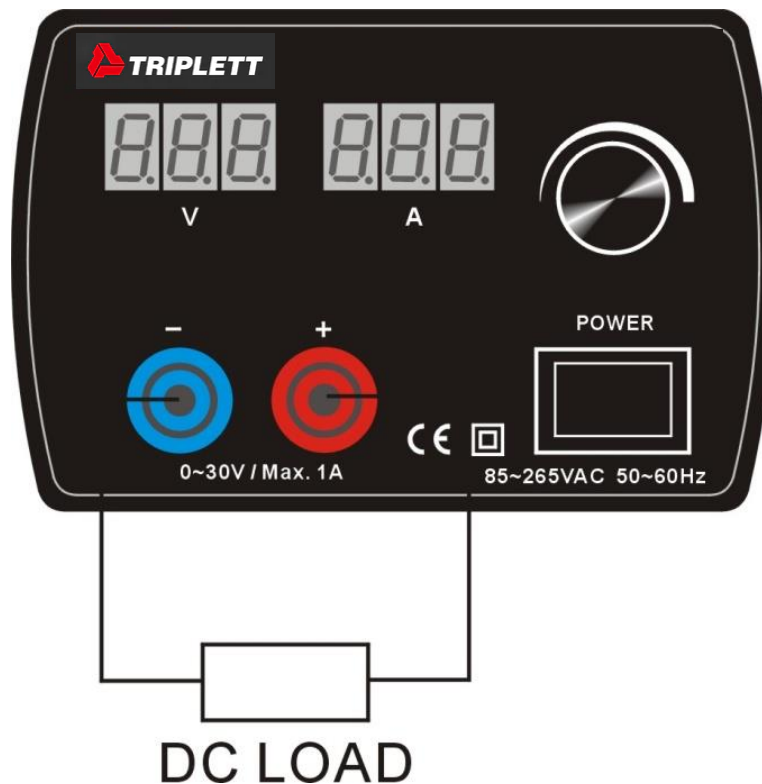
Operation

Load connection:

A Load is connected as shown above. After the unit is switched on, variable voltage (0 to 30V) DC power can be supplied to the load.

Rotate selection knob (5) to select the voltage.

To get more accurate measuring value, you should monitor by an external circuit with precision measuring meter.



CAUTIONS

- When operation is finished, put it in a dry place of good ventilation, and keep it clean. If it is not in use for a long period, pull off the power supply plug for storage.
- For maintenance, input voltage must be cut off.

ACCESSORIES

- Instruction manual: 1 copy
- Fuse: 2 pcs

Warranty

Triplett Test Equipment and Tools extends the following warranty to the original purchaser of these goods for use. Triplett warrants to the original purchaser for use that the products sold by it will be free from defects in workmanship and material for a period of (1) one year from the date of purchase. This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way or purchased from unauthorized distributors so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries are not covered by this warranty

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