

POWER SUPPLY FOR ELECTRIC TOOLS INSTRUCTION MANUAL



Important Safety Information

Please read, understand and follow all safety information contained in these instructions prior to the use of this Power Supply. Retain these instructions for future reference

Safety Warnings

⚠ WARNING: read all safety warnings and instructions

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE THESE INSTRUCTIONS – this Operator's Manual contains important safety and operating instruction for Power Supply.

To reduce the risk of injury. Operate the Electric power tool with the Power Supply. Other types of power supplies may cause personal injury or damage. Avoid dangerous environments. Do not operate the tool or Power Supply in rain, snow, damp or wet locations. Do not use Power Supply in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing attached tool, possibly causing fire. Maintain power cords and cables. When unplugging AC power cord, pull plug rather than cord to reduce the risk of damage to the electrical plug and cord. Never carry Power Supply by its cord. Keep cord from heat, oil and sharp edges. Make sure cord will not be stepped on, tripped over or subjected to damage or stress. Do not use Power Supply with damaged cord or plug. Have a damaged cord replaced immediately. Do not use an extension cord unless it is absolutely necessary. Using the wrong, damaged or improperly wired extension cord could result in the risk of fire and electrical shock. If an extension cord must be used, plug the Power Supply into a properly wired 18 AWG or larger extension cord with pins that are the same number, size and shape as the pins of the power supply cord. See table below. Make sure that the extension cord is in good electrical condition

Tool Current	EXTENSION Cord Length ft (m)			
	25 (7.6)	50 (15.2)	75 (22.8)	100 (30.4)
0 – 6 A (mm 2)	18 AWG (1.0)	16 AWG (1.5)	16 AWG (1.5)	14 AWG (2.5)

Power Supply is rated for 100-240 Volt AC only (Evaluated @ 100-120 Volt AC only for U.S. and Canada). Power Supply must be plugged into an appropriate receptacle.

Unplug Power Supply when not in use. Remove Electric tool from the unplugged Power Supply.

To reduce the risk of electric shock. Always unplug Power Supply before cleaning or maintenance. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.

Do not crush, drop or damage Power Supply. Do not use a Power Supply that has received a sharp blow, been dropped, run-over, or damaged in any way (e.g. pierced with a nail, hit with a hammer, stepped on).

Do not disassemble. Incorrect reassembly may result in the risk of electric shock or fire. If it is damaged.

Do not short circuit. A tool's power supply will short circuit if a metal object makes a connection between the positive and negative contacts on the DC connection socket (See Fig. 2). Do not place an Electric tool near anything that may cause a short circuit, such as coins, keys or nails. A short circuited power supply may cause fire and personal injury.

Store your Electric tool and Power Supply in a cool, dry place. Do not store the tool's power supply where temperatures may exceed 105°F (40°C) such as in direct sunlight, a vehicle or metal building during the summer.

Product Configuration / Specifications : Power Supply

Mode Number	Mains Input Voltage*	Mains Frequency	Output	Efficiency	Total Output Regulation	Operating Temperature °C (°F)	Operating Humidity
E-ROS150W	100-240	47-63 Hz	30 VDC 5A	85% Min.	+/-2%	0-40 (23-105)	10-90% H

Power Supply Operation Instructions

TURNING POWER SUPPLY ON/OFF

CAUTION: Make certain the Switch on the Power Supply is in the "O" (OFF) position, and the AC power source is the same as specified range on the Power Supply nameplate.

1. Connect AC power cord to AC three-prong socket and connect one end of the DC cable to the two-prong 30 VDC socket. (See Figure 2.)
2. Connect the other end of the DC cable to the Electric Power Tool. Ensure both ends of the DC cable are connected and screwed in completely.
3. Turn the Power Supply switch "ON" ("I" position). The "DC OK" LED lamp showing Green indicates proper functioning of the Power Supply. To turn off the Power Supply off, move the switch to the "O" (OFF) position.
4. Power Supply must be installed in an environment with temperature 0-40°C and Relative Humidity 10-80%.
5. The extrusion housing of the Power Supply is designed as a heat sink to dissipate heat generated by the Power Supply. Keep a 30 cm minimum gap around all sides of the Power supply. (see Figure 4).
6. Power Supply comes with a set of protective rubber frames. Then simply press onto the ends of the Power Supply if desired. (See Fig. 6.)

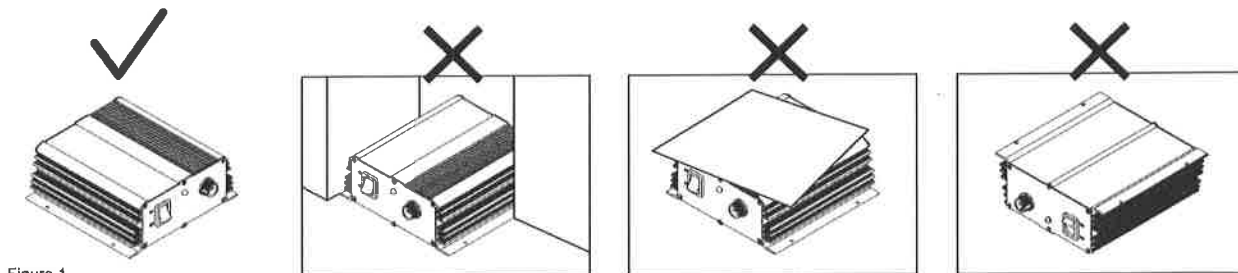


Figure 1



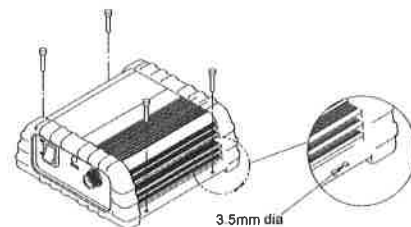
100-240 VAC Socket on Power Supply



30 VAC Socket on Power Supply



Rubber Fram for Power Supply (2)



Mount Power Supply to a stable surface with 4 bolts

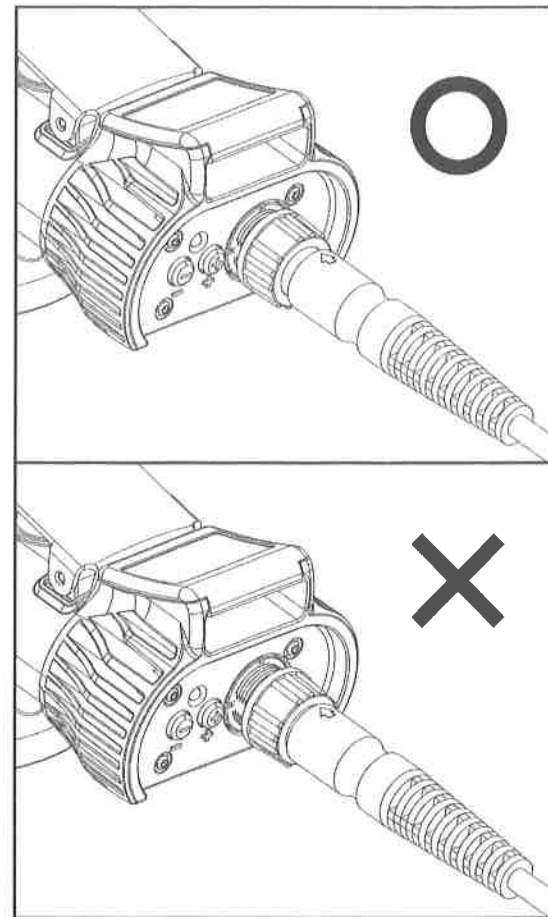
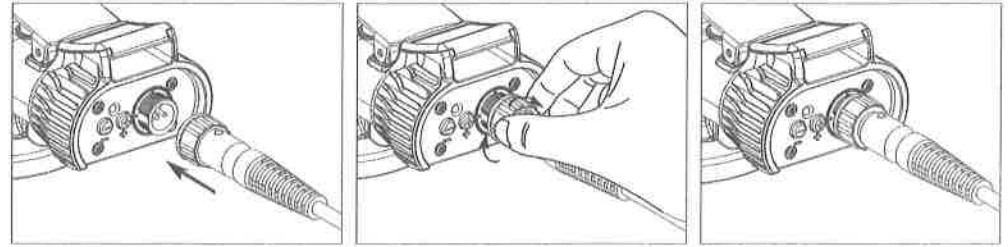
Figure 2

Figure 3

Figure 4

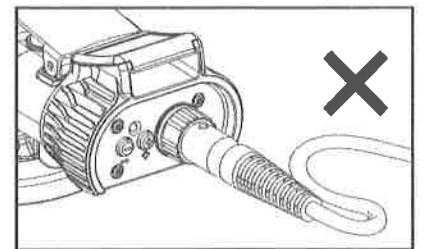
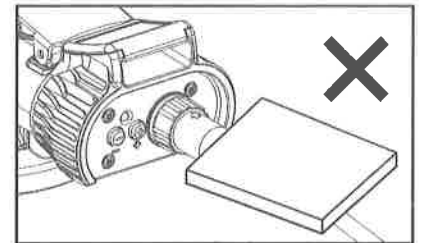
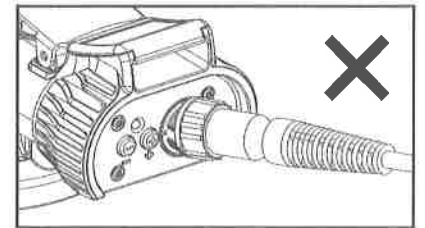
Instructions for Fastening The DC Cable

The DC Cable connector must be aligned properly with the Power Supply connector before they engage. Tighten the DC Cable by hand to firm hand-tightness. The exposure of the Power Supply connector should not exceed more than two threads.



WARNING

The connectors must be securely fastened before use.



The manufacturer shall not be obligated to repair damage or malfunction by not fastening the connectors securely.