

80V 1000W POWER SOURCE

IMPORTANT SAFETY INSTRUCTIONS

WARNING!
READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

- **SAVE THESE INSTRUCTIONS** - This manual contains important safety and operating instructions for power source model RY80BG02.
- **For use with RYOBI 80V battery packs, see tool/appliance/battery pack/charger correlation supplement 998000922.**
- **Do not expose the power source to rain or wet conditions.** Water entering the power source will increase the risk of electric shock.
- **Do not use the power source if it has been dropped or received a sharp blow.** A damaged power source will increase the risk of fire.
- **Remove the battery pack from the power source when not in use.**
- **Do not disassemble the power source.**
- **To reduce the risk of injury, close supervision is necessary when an appliance is used near children.**
- **Store power source indoors and away from children.**
- **As with all electrical devices, use caution when plugging/unplugging other devices into this unit.** Do not force plugs into this unit.
- **If this unit is used in a manner not specified by the manufacturer,** the protection provided by this equipment may be impaired.
- **Do not overload the power source.** It must be used for powering devices less than the product rating.
- **Two- or three-prong plugs may be used with this product.** Do not force a polarized plug (one prong larger than the other) into this product. Flip plug over and retry.
- **Never block air vents.** Blocked vents may cause overheating. Power source will automatically shut off AC output when overheated.
- **Keep power source cool.** Do not place near heat vents or in direct sunlight.
- **Do not use the power source around flammable fumes and gasses, such as in the bilge of a boat or near propane tanks.**
- **Do not put foreign objects into the power source.**
- **Operate this product using only the AC power type listed in the product specifications.**
- **This unit should never be hard wired into a circuit.**
- **Do not power life support devices or other necessary medical equipment with this power source.**
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

PRODUCT SPECIFICATIONS

Watts	1800 Starting Watts
	1000 Watts Continuous
DC Input	80 Volts DC
AC Output	120 Volts, 8.33 Amps
USB Output:	
USB-A	5/9/12 Volts, up to 18 Watts
USB-C	5/9/12/15/20 Volts, up to 60 Watts
Output Wave Form	Pure Sine Wave

OPERATION

APPLICATIONS

You may use this product for the following purposes:

- Operating and charging USB-powered devices
- Supplying electrical power for operating compatible electrical devices such as, but not limited to, lighting, appliances, tools, TVs, and fans.

NOTE: This device is not compatible for use with air conditioners, sump pumps, compressors, and/or other larger electrical devices.

INCLUDED

- 80V Power Source
- Mounting Plate
- Thumb Screws (2)
- Operator's Manual

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CONNECTING TO A BATTERY PACK

See Figure 1.

- **To install:** Connect the power source plug to the charging port on the battery.
- **To remove:** Disconnect the power source from the battery.

MOUNTING THE POWER SOURCE TO A BATTERY PACK

See Figure 2.

- Attach the mounting plate to the battery as shown.
- Using a Phillips head screwdriver, insert the provided thumb screw into the mounting holes on each side of the plate, tighten securely.
- Align the slots on the bottom of the power source to the raised ribs on the mounting plate and slide the power source onto the mounting plate. Press down until the power source locks into place.

To remove the power source from the mounting plate

- Press the locking tab on the mounting plate to unlock and slide the power source off the mounting plate.

To remove the mounting plate from the battery

- Using a Phillips head screwdriver, locate and remove the thumb screws on each side of the plate.
- Pull the side tabs gently outward and remove the mounting plate from the battery.

CONNECTING TO AN 80V MOWER

See Figure 3.

For extended run time on connected devices, this power source can be connected to a RYOBI 80V mower by plugging the power source plug into the charging port of the mower.

- This power source is compatible with the following RYOBI mowers: RYRM8006, RYRM8007
 - Place 80V Batteries in the designated battery ports of the mower.
 - Rest the Power Source on a stable surface of the mower near the 80V Charging Port.
 - Insert the inverter plug into the charging port on the mower, making sure it is properly connected.
 - Insert the start key and turn the key to the 'AUX' position.
 - Turn the Power Source on by pressing the power button on the inverter.
- The following mower models are not compatible using the charging port, you must first remove the battery and follow the instructions listed above: RYRM8001, RYRM8010, RYRM8002, RYRM8021, RYRM8003, and RYRM8034

USING THE POWER SOURCE

See Figures 3 - 4.

When a charged battery pack is installed, this power source converts DC electricity to 120V AC household power and/or USB-A (5/9/12V, up to 18 W) or USB-C (5/9/12/15/20V, up to 60 W), allowing the user to charge and power a variety of devices.

WARNING:

Risk of electric shock. When using a grounded appliance this tool will not provide an electrical path to earth ground. Do not power devices with damaged or frayed power cords.

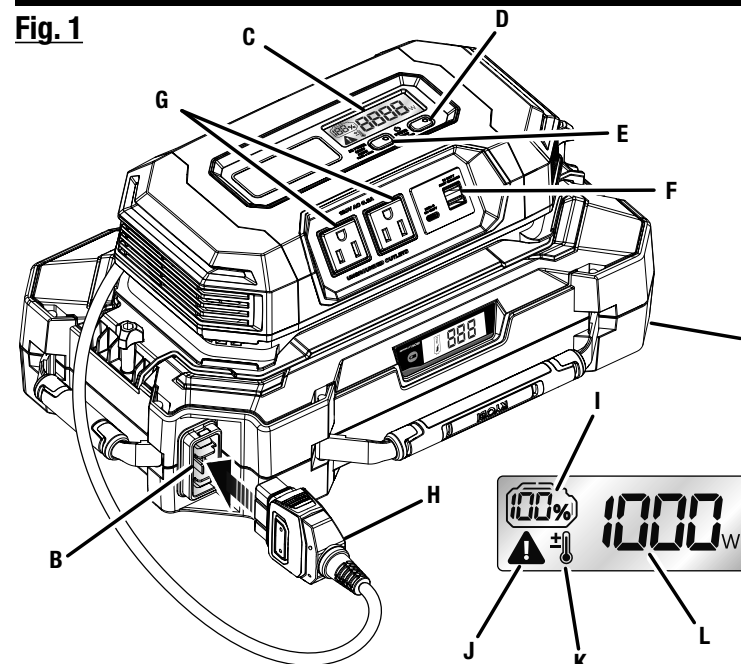
- Connect the power source to a battery.
- Press the main power button to turn the power source on and power the USB ports.
- **NOTE:** It may take up to 3 seconds for the LCD screen to illuminate.
- Press the AC power button to supply power to the 120V AC receptacles.
- When finished, disconnect devices and press the main power button to turn the unit off. Disconnect the power source plug from the battery.

LED CHART

ERROR OR ALARM	AC POWER BUTTON	MAIN POWER BUTTON	LCD	SOLUTION
Over Temperature Protection	BLINKING RED	-	Err 0	Turn unit off, allow to cool
AC Overload Protection	BLINKING RED	-	Err 1	Reduce load
AC Output Under Voltage	BLINKING RED	-	Err 2	Remove load, disconnect from battery, and charge battery
AC Output Over Voltage	BLINKING RED	-	Err 3	Reduce load
Input Over Voltage Protection	SOLID RED	BLINKING GREEN	Err 4	Reduce load
Input Under Voltage Protection	SOLID RED	BLINKING GREEN	Err 5	Remove load, disconnect from battery, and charge battery
Input Under Voltage Protection Alarm	-	BLINKING GREEN	-	Remove load, disconnect from battery, and charge battery

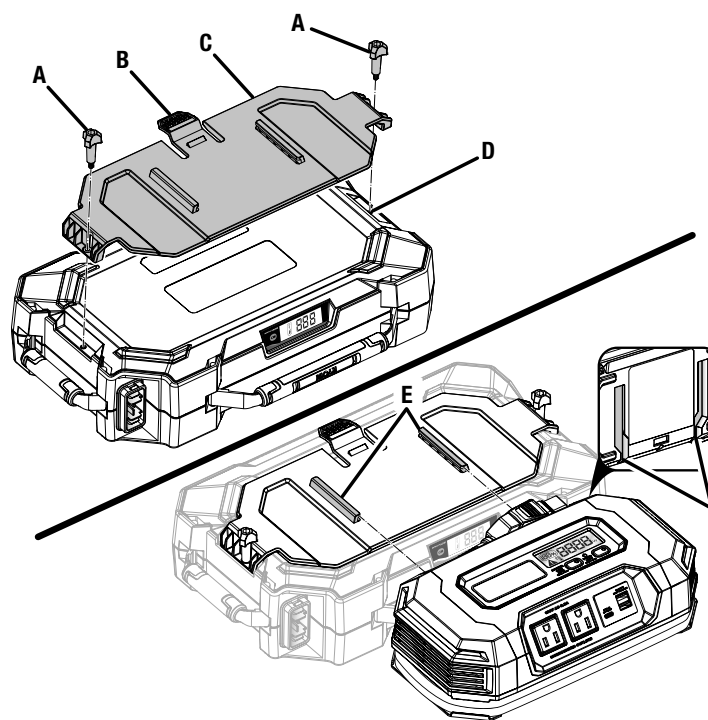
ILLUSTRATIONS / ILLUSTRÉES / ILUSTRADAS

Fig. 1



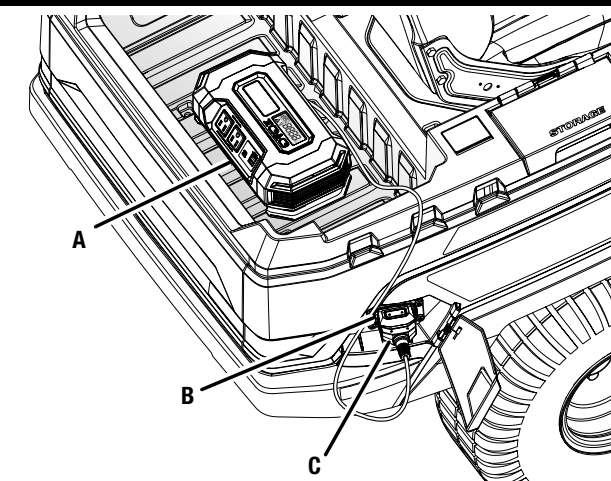
- A - Battery pack (not included) [bloc-piles (non inclus), paquete de baterías (no suministrado)]
- B - Battery charging port (port de charge de la pile, puerto de carga de batería)
- C - LCD screen (écran ACL, pantalla LCD)
- D - Power button (bouton d'alimentation, botón de encendido)
- E - AC button (bouton de CA, botón de CA)
- F - USB charging ports (ports de charge USB, puertos de carga USB)
- G - 120 V receptacle (réceptacle 120 V, receptáculo de 120 voltios)
- H - Power source plug (fiche de la source d'alimentation, enchufe de fuente de alimentación)
- I - 80V battery charge indicator (indicateur de charge de la pile de 80 V, indicador de carga de batería de 80 V)
- J - Warning icon (icône d'avertissement, icono de advertencia)
- K - Temperature warning (avertissement de température, advertencia de temperatura)
- L - Wattage output (puissance de sortie, salida de voltaje)

Fig. 2



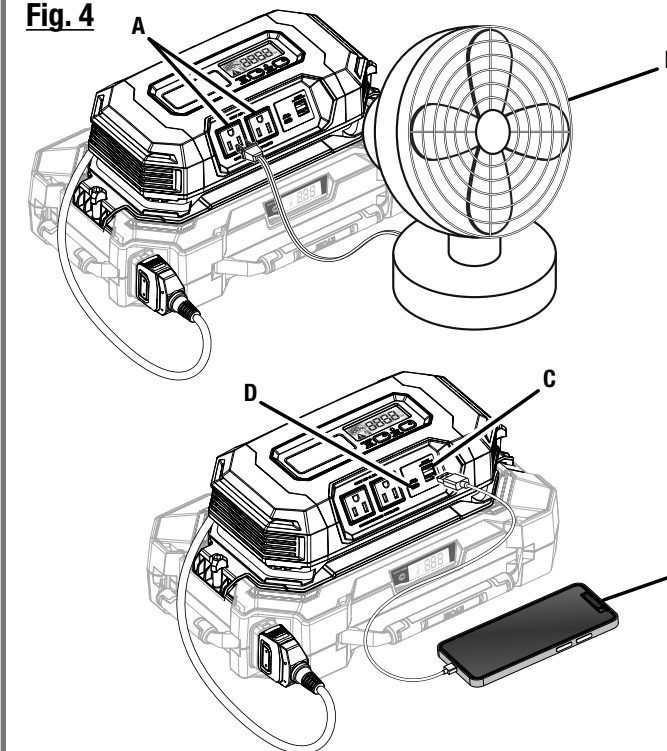
- A - Thumb screw (vis de serrage, tornillo mariposa)
- B - Locking tab (languette de verrouillage, lengüeta de bloqueo)
- C - Mounting plate (plaque de montage, placa de montaje)
- D - Screw hole (trou de vis, orificio de tornillo)
- E - Raised ribs (épaulements relevés, nervaduras levantadas)
- F - Slots (fentes, ranuras)

Fig. 3



- A - Power source (source d'alimentation, fuente de alimentación)
- B - Battery charging port (port de charge de la pile, puerto de carga de batería)
- C - Power source plug (fiche de la source d'alimentation, enchufe de fuente de alimentación)

Fig. 4



- A - 120 V receptacle (réceptacle 120 V, receptáculo de 120 voltios)
- B - AC product to be powered (not provided) [produit à alimenter (non fourni), producto de CA para ser alimentado (no provisto)]
- C - USB-A port (port USB-A, puerto USB-A)
- D - USB-C port (port USB-C, puerto USB-C)
- E - USB product to be charged (not provided) [produit USB à charger (non fourni), producto USB à charger (no provisto)]

WARRANTY

This product has a Five-year Limited Warranty for personal, family, or household use (90 days for business or commercial use). For warranty details, visit www.ryobitools.com or call (toll free) 1-800-525-2579.

Model/item number on product may have additional letters at the end. These letters designate manufacturing information and should be provided when calling for service.

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