

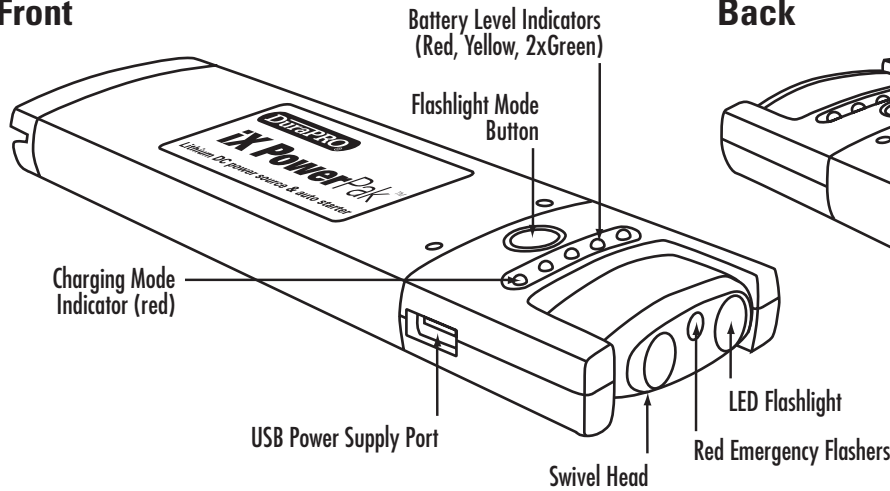
iX PowerPak[™]

Lithium battery DC power source & auto starter with battery reader, AC inverter, flashlight and emergency flasher

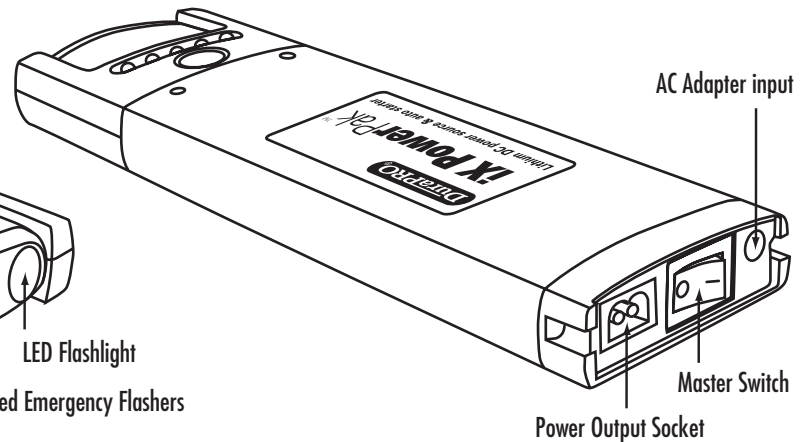
- Use as a power source for audio/video accessories, cell phones, camping accessories and more
- Recharge and start an auto battery in minutes
- Powerful Lithium-ion battery can be recharged over 500 times

- Contents:**
- iX PowerPak DC power source
 - 12V power plug
 - 12V DC socket
 - AC power adapter
 - 12V DC to 110V AC inverter
 - Durable carry case

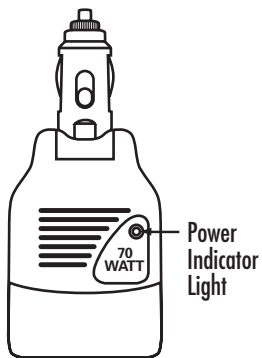
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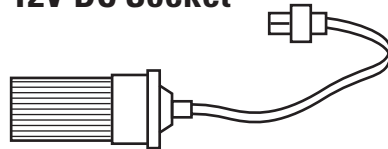
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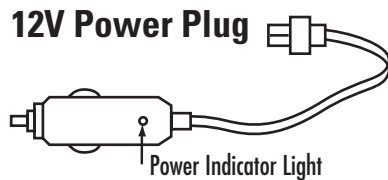
70W AC Inverter



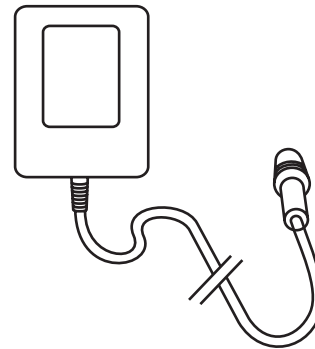
12V DC Socket



12V Power Plug

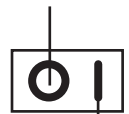


AC Adapter



Master Switch Positions

Off/Recharge Mode



On/Output

Important Notes

- Before attempting to start vehicle, the iX PowerPak must be removed from the vehicle's 12V socket. See "CHARGING A LOW BATTERY" section for details.
- The iX PowerPak is shipped fully charged. However, you should initially charge the unit before use. See "RECHARGING THE iX PowerPak" section for details.
- The iX PowerPak is designed to recharge 12V batteries with a low voltage between 10.4 and 10.5 volts. If vehicle battery is severely drained, call a service center or tow truck.
- CAR ALARMS: if you have a car alarm, put it into "valet mode" before attempting to use the iX PowerPak. Many popular car alarm models cut off power to the vehicle's electrical system. The iX PowerPak will not work while this type of alarm is engaged.
- The iX PowerPak is water-resistant, but not waterproof. It may be damaged if submerged in liquid.
- Do not attempt to reverse polarity.
- For optimum performance, store in temperatures between 32°F - 110°F (0°C - 43°C). Temperatures below 45°F (7°C) and above 85°F (30°C) will require at least an additional 10 minutes of recharging before starting engine.
- During operation, the unit may feel warm. Discontinue use if it becomes too hot.
- 25A fuses are used in a protection system which regulate the discharge and recharge of the iX PowerPak.

Flashlight Operation

Press the Flashlight Mode Button once to turn light on. Press to turn off. Press button again for emergency flasher, and once more to turn off.

Charging A Low Car Battery Using 12V Power Plug

- **NOTE: Before attempting to start vehicle, the iX PowerPak must be removed from the vehicle's 12V socket.**
- Turn off all lights and all other accessories (radio, etc.) in the vehicle. **TIP: keep one small vehicle light or dial turned on to aid in determining if the battery is charging.**
- Make sure the vehicle's 12V socket is clean and free of debris.
- Insert the appropriate 12V Power Plug end into the iX PowerPak's Power Output Socket.
- Put the 12V Power Plug into the vehicle's 12V socket.
- Push the iX PowerPak Master Switch to the ON/OUTPUT position.
- The Power Indicator Light on the 12V Power Plug will illuminate, and the light or dial left on in the vehicle should brighten, go to the next step. *If the light or dial does not brighten, turn the ignition key ONLY as far as the accessory position (see the vehicle owner's manual.)* In some vehicles this is necessary for the 12V socket to operate. *If the light or dial still does not brighten, turn off the light or dial and go to the next step.*
- Leave the iX PowerPak plugged into the 12V socket for a minimum of 35 minutes (not to exceed one hour.) After this time, if turned off, turn on the light or dial again. If it brightens go to the next step. If it does not brighten, the iX PowerPak is unable to charge your battery; call a service center or tow truck.
- Before attempting to start your vehicle, turn off all lights and dials. **Remove** the iX PowerPak from the 12V socket, and attempt to start the vehicle. **If the vehicle does not start, DO NOT attempt to start the engine more than twice. Call a service center or tow truck.**

DC 12V Power Source Using Power Socket

The iX PowerPak's 12V DC Socket functions like the 12V socket of a vehicle. Any accessory you would normally plug into your vehicle's 12V socket (cell phone, camcorder, flashlight, radio, etc.) can be powered from the iX PowerPak's 12V DC socket, using the iX PowerPak's built-in battery as the power source.

- The iX PowerPak 12V DC socket is center pin positive (+). Most 12V DC accessories come with this configuration, but not all. **Before connecting any accessory to the iX PowerPak's 12V DC socket, check the accessory owner's manual for the polarity of the accessory.**
- Plug the 12V DC socket into the power output socket on the iX PowerPak.
- If the accessory is center pin positive, simply plug it into the 12V DC socket, push the iX PowerPak master switch to the ON/OUTPUT position and run normally.
- For DC accessories that are NOT center pin positive, you must use a DC to DC adapter (not included.)

Powering USB Devices Via USB Port

- Simply plug the USB cable (not supplied) into the USB Power Supply Port on the side. Plug in your USB device to the USB cable. Push the iX PowerPak master switch to the ON/OUTPUT position and run normally.

Checking the Battery Level Indicators

To view the battery strength. Press the Flashlight Mode Button. When looking at the top of the iX PowerPak the first four lights from the left indicate battery strength (2x Green - full, Yellow - half, Red - empty). All lights on indicates a full charge. Recharging is recommended when "half" charge is indicated, and is necessary immediately when "empty" is indicated. Disconnect from any power source before checking battery. The final light indicates battery recharging mode.

Recharging The iX PowerPak

IN VEHICLE using iX PowerPak, 12V Power Plug

Simply leave the iX PowerPak plugged into the vehicle's 12V socket for 30 to 60 minutes, while the engine is running, to fully charge. The iX PowerPak master switch should be in the Off/Recharge Mode. The Charging Mode Indicator light will illuminate red. (After unplugging the iX PowerPak, use the Battery Level Indicator Lights to determine if full charge has been achieved.)

Do not leave the iX PowerPak plugged into the 12V socket when the vehicle is not running.

The iX PowerPak will not recharge, and may drain power from the car battery. *NOTE: the iX PowerPak should be charged at least once every 6 months regardless of usage. Most Lithium-Ion batteries average over 500 charges in their life cycle.*

AC POWER using: iX PowerPak, AC Power Adapter

An AC Power Adapter is included with your iX PowerPak for recharging from a standard power outlet. Simply leave the iX PowerPak plugged into a power outlet for 2-3 hours to fully charge. (After unplugging the iX PowerPak, use the Battery Reader Charge Level Indicator Lights to determine if a full charge has been achieved.) To avoid possible damage or injury use only an AC Charger of the correct voltage (Input: 120V, 60Hz, 15W; Output: 16V DC, 400mA). The iX PowerPak master switch should be left in Off/Recharge Mode.

AC 110V Power Source Using Power Socket and AC Inverter

NOTE: Inverter can only power AC appliances rated below 70W

The iX PowerPak's 110V AC Inverter mimics the household 110V socket. Devices you would normally plug into your household receptacles (laptop computer, cell phone, camcorder, radio, etc.) can be powered from the iX PowerPak's 110V AC Inverter, using the iX PowerPak's built-in battery as the power source.

- Plug the 12V DC Socket into the Power Output Socket

- Push the AC Inverter into the 12V DC Socket.
- Plug the 110V AC device into the bottom of the inverter and push the iX PowerPak master switch to the ON/OUTPUT position and run normally. **NOTE the iX PowerPak is not intended to power appliances, large televisions or other devices with larger power draws.**

Sample Run Times For Accessories

The following are approximate times that accessories can be expected to run and function normally while powered by the iX PowerPak.

Laptop: 30mins, **13" color TV:** 20-25mins,
Portable Stereo: 45mins,
Cell Phone Charger: 1hour

The above figures are "reference" only and actual using time will be determined by the actual power output of the AC appliances.

70 Watt Pocket-size AC/DC Inverter Typical Use And Wattage:

This listing is for reference only. Please refer to the device's owner manual for the accurate wattage required.

Laptop Computer 50-60W VCR: 45W
13"color TV: 70W CD changer: 65W
Cell Phone Charger: 30W
CD radio/Boom Box: 30W
Glue Gun 20W Work Lights 60W
Camcorder Charger (6V) 25W

Safety Features:

Maximum Protection For Your Vehicle

- Overload Protection: Automatically shuts down when device draws continuous output exceeding 70 Watts.
- Short Circuit Protection: Automatically shuts down when short circuit occurs or reverse polarity exists.
- High Voltage Protection: Automatically shuts down when input exceeds 15 volts DC.
- Low Voltage Protection: Automatically shuts down when input is less than 10.5 volts DC.
- Thermal Protection: Automatically shuts down when circuit temperature exceeds 150°F.

70w AC Inverter Specifications:

- 1) Socket: Grounded 110 Volts AC outlet
- 2) Output Voltage Range: 110-125 Volts AC
- 3) Maximum Continuous Power: 70 Watts
- 4) Surge Capability (Peak Power): 140 Watts
- 5) Wave Form: Modified Sine Wave
- 6) Input Voltage Range: 10.5 - 15 Volts DC
- 7) Output Frequency: 59-61 Hz
- 8) Replacement Fuse: 15 Amp
- 9) Automatic Electronic Circuit Features:
 - a) High input voltage shutdown: 15-16.5 Volts DC
 - b) Low input voltage shutdown: 10.5-11.5 Volts DC
 - c) Over temperature shutdown: 150°F (65.6°C)(± 20°F)
 - d) Overload Shutdown: 70 Watts
- 10) System Display:
 - a) System normal operation: Bright Green LED indicator
 - b) Over temperature: Dim Green LED indicator
 - c) Overload: Dim Green LED indicator
 - d) Low/High battery voltage: Dim Green LED indicator

70w AC Inverter Warnings and Cautions:

- 1) Improper use of this Power Inverter can cause personal injury or property damage. Study this user's manual carefully before the first use.
- 2) This Power Inverter must be connected only to a 12-volt DC Negative Ground Ignition System (most vehicles use this system).

Consult the owners' manual of your vehicle for the ignition system of your vehicle before using this Power Inverter on your vehicle for the first time.

- 3) Do not connect this Power Inverter to a 6-volt or 24-volt DC battery.
- 4) Do not exceed the maximum input voltage of 15-volt DC.
- 5) Do not use or place this Power Inverter near flammable materials or any location which accumulate flammable fumes.
- 6) Do not operate this Power Inverter in or near water, or immerse this Power Inverter in water.
- 7) Do not operate this Power Inverter with wet hands.
- 8) Do not touch the tip or the cigarette plug of this Power Inverter immediately after operation. The plug may be hot and could cause minor burns if touched by bare skin.
- 9) Disconnect the Power Inverter when it is not in use.
- 10) Do not leave this Power Inverter or other device operating unattended in the vehicle
- 11) Do not place any item over and on the Power Inverter. Make sure that air is allowed to circulate freely around the Power Inverter for maximum cooling performance.
- 12) Do not open the housing of this Power Inverter.
- 13) Do not use this Power Inverter with any 12-volt extension cord with any type of length.
- 14) Do not place this Power Inverter in direct sunlight or near a device or object that generates heat above room temperature.
- 15) Do not operate this Power Inverter in ambient air temperature below -10°F or above 110°F.
- 16) Start and run your vehicle hourly while using this Power Inverter to prevent battery discharge.

Tools that work for you®



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WARNING: KEEP OUT OF REACH OF CHILDREN. READ ALL INSTRUCTIONS BEFORE USE. Danger – shock hazard. LEDs are very bright. Avoid direct exposure of LED light to eye. Injury to eyes may occur. Do not shine into the eyes of others. Keep battery charger and adapter away from water and other liquids. Never operate if cord is damaged or product is not working properly. Unplug when not in use.

WARRANTY: DuraPRO products are designed with quality in mind. This product is warranted against defects in material and workmanship for two years from date of purchase. This warranty does not apply to defects or damage caused by misuse, alteration or normal wear and tear, and is limited only to replacement of this tool.

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