

# Operating Instructions & Parts Manual



## Portable Power Supply & Jump Starter

Model  
PPBJP

Capacity  
6,000 mAh



US Patent No. 6,531,789 B1  
US Patent No. 7,498,798 B2



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **WARNING**

- Read, understand and follow the instructions before using the product.
- The operating manual and safety information should be communicated in the native language of the operator before use.
- Failure to do so may cause personal injury and or property damage.

**Power Probe, Inc**  
<http://www.powerprobe.com>

**Read this manual and follow all the Safety Rules and Operating Instructions before using this product.**

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## WARNING

### SAFETY AND GENERAL INFORMATION

For your safety, **read, understand, and follow** the information provided with and on this Intelligent Jumpstarter. The owner and operator shall have an understanding of this product and safe operating procedures before attempting to use. Make certain that the operator thoroughly understands the inherent dangers associated with the use and misuse of the product. If any doubt exists as to the safe and proper use of this product, remove from service immediately.

**Inspect before each use.** Do not use if there are broken, bent, cracked or damaged parts (including labels). Any Intelligent jumpstarter that appears damaged in any way, or operates abnormally shall be removed from service immediately.

**Lithium Polymer batteries are volatile.** Failure to read and follow the use and operating instructions may result in fire, personal injury and damage to property if charged or used improperly. Li-Polymer battery may explode and cause fire if misused or defective.

To maintain the internal battery of the equipment, charge the unit as soon as possible after using to start a vehicle or to charge batteries in other electrical equipment.

When charging Intelligent Jumpstarter, place on a hard level surface and keep away from combustible materials. Don't leave unattended while charging.

Always use Intelligent Jumpstarter in a well ventilated area and keep out of reach of children and away from combustible materials and all liquids.

The Intelligent Jumpstarter is designed to be used only on vehicles or boats with 12V electrical systems.

The unit is not designed to be used in place of a vehicle battery.

Do not insert foreign objects into any sockets, vents, or any opening in the unit.

Never disassemble or modify the unit. Only certified repair technician should repair this unit.

Do Not store in any location where temperature may exceed 70°C, Charge only at ambient temperatures between 0°C - 60°C

If the product is not used for a long period of time, fully charge the unit then store. Charge once every 3 months.

### PRODUCT DESCRIPTION - Intelligent Jumpstarter

The Power Probe Power Pack is a high performance electrical product with many innovative features and benefits. **Increased Safety:** Reverse polarity protection- output short circuit protection - excessive voltage protection - excessive current protection - no sparking to ensure safety and inverse charge protection - based on an artificial intelligence (AI) platform providing user safety. **Low Power Starting:** This product can successfully jump start vehicles even with only 3 power status lights showing. **Low Voltage Detection:** Even with internal voltage of the car battery as low as 0.06V an engine can be started using this unique product. **Low Inner Resistance:** The low inner resistance and small size of this unit is unique equipment, out performs other similar looking products and can jump start 12V vehicle with gasoline engines up to 5.0 L depending on model.

### STANDARD PACKAGE

1. Host unit
2. Smart Jump Start Cable
3. USB connection cable
4. USB Wall Adapter
5. User Manual

## CHARGING THE UNIT

### \* At Home

1. Insert the USB plug into a 5V/1A, 100-120V power charger with USB output port (not included) and plug the micro USB end into the input charge port of the unit.
2. The LED's flash individually during charging. The unit cell is fully charged once all 4 power LED's are on.
3. Charge time to full capacity is based on size, see Specifications table for details.

### \* In A Vehicle

1. Ensure that the vehicle electrical system is 12V. Do Not attempt to charge the unit from a 24V vehicle system.
2. Insert the USB plug into an appropriate 12V charging socket with USB output (not included). Insert the micro USB plug into the unit charging port.
3. The LED's flash individually during charging. The unit cell is fully charged once all 4 power LED's are on.

### \* From A Desktop Computer or Laptop

1. Plug the USB plug of the cables into the USB port of the computer with the computer power supply switched on. Plug micro USB plug into the input charge port of the unit to charge.

## OPERATIONAL GUIDANCE

### \* Power Indicator

1. Press the power button to show power indicator light, see below.

Power Indicator	Lightless	LED Flash	1 LED	2 LED	3 LED	4 LED
Battery Capacity	0%	10%	25%	50%	75%	100%

2. To ensure optimum condition of unit battery, charge fully as soon as possible after use.
3. If the power indicator light remains off after switching to the "on" position, the unit cell is fully discharged. Please charge the unit as soon as possible to avoid damage.

### Jump Start 12V for Gasoline Engines under 5 Liters (310 in<sup>3</sup>)

1. With a minimum of 3 power indicator LED alight, this unit can successfully jump start a 12V petrol vehicle with engines up to 5 L. Charge the unit immediately after use.
2. It is advisable to turn off all vehicle electrical appliances, such as Radio, Air Conditioning, internal and external lights ect.
3. Insert the larger Jump Start cable block into the unit's EC5 socket. Connect the red clamp of the Jump Start cable to the RED positive (+) battery connection on the vehicle, and the black clamp to the BLACK negative (-) battery cable, then turn on the vehicle ignition and start the engine.
4. The green light on the unit cable top-box will light when the clamp is correctly fitted to the vehicle battery, and you can turn the vehicle ignition on and start the engine. The red light on the cable top-box will light if the unit clamp is incorrectly fitted to the vehicle battery. Check and re-fit the clamps to the vehicle battery before attempting to start the engine

### Reset

*If the red and green lights on the black box of the Smart Jump Start cable are not working during jump starting the vehicle, please reset the jump starter as follows:*

1. Remove the red clamp from the positive (+) terminal of the car battery.
2. Connect the red clamp back on the positive (+) terminal. *Now the green light is on again and the product is ready for use.*

### Notes:

1. Before attempting to start the engine of a vehicle check that the blue cable plug is fully inserted into the unit EC5 socket. Failure to have this properly connected to the unit can cause a bad connection which may result in failure to start or damage to the unit/plug.
2. If the engine fails to the first time, check that the unit power LED has at least 3 bars on, of that the vehicle is in full working order.

## OPERATIONAL GUIDANCE CONTINUED

### OUTPUT: USB DC5V/2A

1. Charge 5V mobile phones and other electronic devices from the USB 5V/2A output port of the unit.
  - After connected 5V electronic device with provided USB cable assembly to the host MUST press switch once to start charging.

### LED TORCH

Switch button operating cycle is as follows:

1. Press twice - LED light will turn ON as torch mode.
2. Press once more - LED light will begin to strobe (quick flash)
3. Press again - LED light will turn off.

## SPECIFICATIONS

Specification	PPBJP		
Output	USB - DC 5V / 2A Jumpstart port (EC5) - DC 12V		
Input	DC 5V / 1A		
Charge Time	6 hours on 5V/1A		
Capacity	6,000 mAh		
Weight	8.47 oz.		
Dimensions	5.43 x 2.95 x .63 in		
Starting Current	350A		
Peak Current	700 A		
Suitable Engine	12V / Gasoline Engine < 5.0 L		
Operating Temp.	-4° F ~ 140° F (-20° C ~ 60° C)		
Storage Temp.	-4° F ~ 176° F (-20° C ~ 80° C)		

## REPLACEMENT PARTS

Not all components of the product are replacement items. When ordering parts, give model number, part number and/or description. Go to [www.powerprobe.com](http://www.powerprobe.com) for more information.

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