

500A POWER PACK (MP7441) USER GUIDE



Please read & follow this user guide & all safety instructions carefully when using this product.

Keep the user guide for future reference. When passing the product onto others be sure to include all documentation. The user guide is also available on our website:

www.maypoleltd.com

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IMPORTANT SAFETY INSTRUCTIONS

- Explosive gases may escape from the battery during the use of this product. This is normal, but please follow the below guidelines:
- Do not use near flames or sparks – do not smoke in the area.
- Ensure adequate ventilation during use.
- **NEVER connect the output clamps together.**
- Keep the area completely clear of combustible materials.
- This device contains a Lithium Ion battery, do not allow battery to overheat. Do not crush, pierce or incinerate.
- Store in a dry area and take care to not expose to rain or moisture during use.
- The jump starter is intended for use with 12V batteries only.
- Never connect to a battery suspected to be frozen.
- This product should not be used for any purposes other than those listed – any other use will invalidate warranty.
- Ensure that cables are regularly inspected and kept in good condition.
- This device can be used at temperatures between -20°C and 55°C. It is recommended the device is stored between 0°C and 40°C and stored indoors when temperatures are below 0°C.
- Never use the product if the device or its accessories are found to be worn or damaged.
- This product contains no user-serviceable parts - never attempt to disassemble.
- During operation, locate the unit as far away from the vehicle primary battery as the cables will permit.
- Position the unit such that it cannot inadvertently become stepped on, tripped over or damaged.
- Never place the device directly above the battery unto which it is connected; gases from the battery could corrode and damage the product.
- Always follow battery manufacturer's instructions to confirm correct jumpstart operation - electrical discharge from batteries can be dangerous.
- Battery electrolyte is acidic and likely to cause burns. The use of safety goggles and gloves when working with lead acid batteries is strongly advised.
- Remove metal items such as rings, necklaces and watches while working with batteries.
- This appliance is not for use by a person (including children) with reduced physical, sensory or medical capabilities or lack of experience or knowledge.

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COMPONENTS

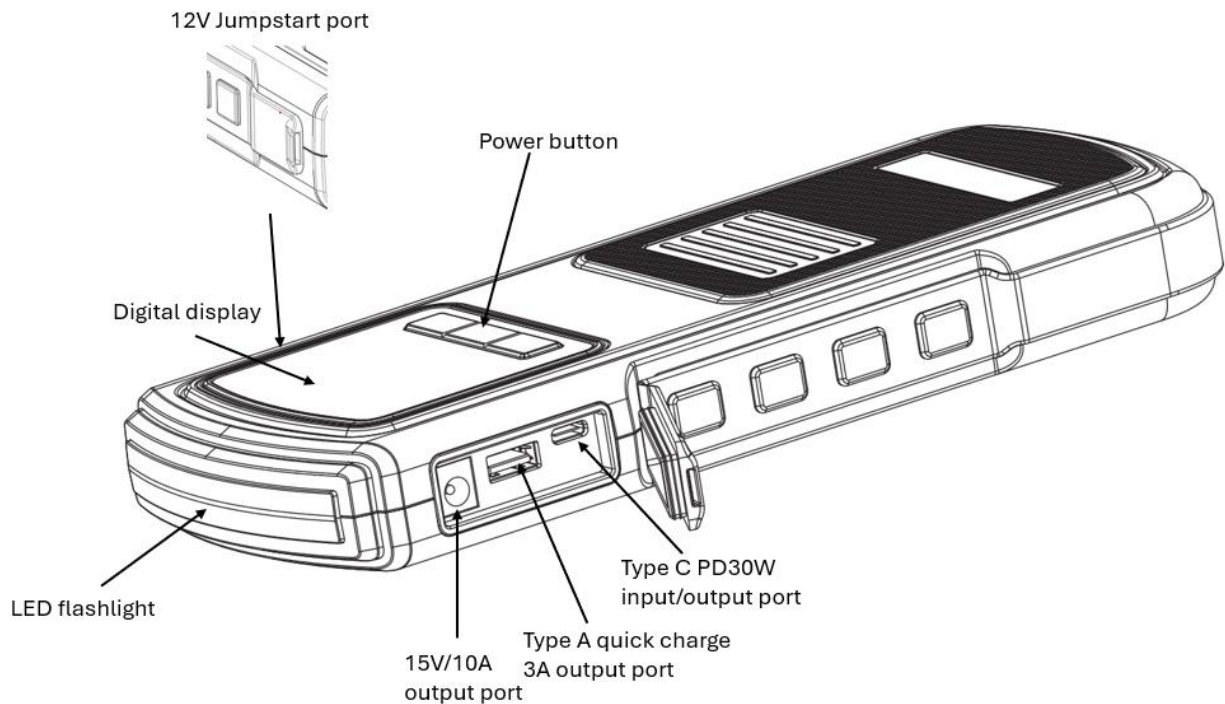


Box contains:

- 500A power pack
- Smart jumpstart cable
- USB charging cable
- Storage bag
- User guide

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PRODUCT LAYOUT



CHARGING

- The power pack is partially charged from the manufacturer. Fully charge the unit before first use.
- Only ever re-charge the power pack with the charging leads supplied.
- Pressing the power button will activate the digital display. The battery % on the display shows the % of the battery charge in the power pack.
- Insert the USB charging cable into the USB PD30W input port on the device.
- Insert the type A USB port into a 5V supply adaptor (not included)
- When power is connected the LCD display will show 'USB-C IN'.
- When the battery is fully charged it will show 100% on the display.
- Charging time will vary depending on the power source used. It takes approximately 3 hrs to fully charge the power pack from 0% using an AC adaptor.
- Fully charge the power pack after each jumpstart and at least once every 3 months to ensure the condition of the battery is maintained.

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JUMP STARTING VEHICLES

ALWAYS CONSULT YOUR VEHICLE MANUFACTURERS HANDBOOK TO CONFIRM CORRECT JUMP-STARTING OPERATION

Note: The battery within the device must be at a minimum of 30% for the jump start function to operate. Ensure all non-essential loads (fan, lights, radio etc.) are switched off prior to commencing the jump starting procedure.

- Connect the smart jump start cable to the 12V jumpstart port.
- Connect the red (+ve) clamp to the designated +12VDC connection point or positive post of the battery, then connect the black (-ve) clamp to the negative battery post.

Upon initial connection, the device will analyze the condition and voltage of the vehicle battery unto which it is connected to determine if a jump start would be successful. The ability of the device to successfully start a vehicle is heavily dependent upon the condition of the primary vehicle battery; if the vehicle battery is very old, has been discharged for an extended period of time or otherwise damaged, jump starting may not be successful.

Once battery condition and voltage checks are satisfied, the green 'OK' LED will illuminate on the smart cable. The vehicle is now ready to be jump started; crank the engine within 30 seconds of connection. Do not crank the engine for longer than 5 seconds each time. Allow the power pack to cool down for at least 3 minutes after each jumpstart.

The jump cable can now be disconnected. Remove the black (-ve) clamp first, followed by the red (+ve) clamp. Leave the vehicle engine running for a period after disconnection to allow battery to be recharged.

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SMART JUMP START CABLES

The smart jump start cables include built in safety features to protect against:

- Low voltage
- Reverse polarity
- Short circuit
- Over temperature
- Overload

BOOST FUNCTION

If after correct connection between the jumpstart cables and the vehicle battery the green LED flashes, this is an indication of a very low voltage in the vehicle's battery. In this instance the boost function may be able to allow the vehicle to be successfully jump started.

- Press the boost button
- Once the green LED is illuminated permanently crank the engine within 30 seconds.
- If the vehicle does not start the vehicle battery the voltage is below the minimum threshold in order for the power pack to successfully start the vehicle. Replace the vehicle battery.

WARNING

THE ANTI-SPARK, REVERSE POLARITY AND SHORT CIRCUIT FEATURES ARE DISABLED WHEN THE BOOST FUNCTION IS ACTIVE. DO NOT EVER CONNECT THE RED AND BLACK CLAMPS TOGETHER WHEN THE BOOST FUNCTION IS ACTIVATED!

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SMART JUMP START CABLE – LED INDICATORS

DESCRIPTION	CONDITION
Solid green LED light	Smart cables are connected to the vehicle battery. Ready to start engine
Flashing green LED light	Low battery voltage. Press the boost button and follow instructions above
Solid red LED light	Reverse connection of clamps/battery fault. Ensure the correct polarity of the clamps/replace battery.
No lights	Vehicle's battery maybe damaged. Have the battery tested by a qualified technician. Replace the battery if necessary

USB CHARGING

A wide selection of portable devices such as mobile telephones, tablets and portable media devices can be charged via this device.

Connect the device you wish to be charged to the USB output port using an appropriate cable.

Press & hold the power switch to turn the device on. Charging will automatically start.

The device supports a quick charge function if the USB cable & the device being charged are quick charge compatible.

FLASHLIGHT

This device features a multi-mode LED flashlight which is activated by pressing and holding the power button for 3 seconds. The operating mode of the flashlight can be changed by briefly pressing the same button; working light, flash light, SOS, Off.

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TECHNICAL SPECIFICATION

Cell Capacity	16000mAh/ 59.2Wh/ 4Ah@ 14.8V
Product Gross Weight	745g
Product Dimensions	244x105x32mm
Output Voltage (Barrel Socket)	15V
Output Current (Barrel Socket)	10A
Output Voltage (USB-A Socket)	5V/ 9V/ 12V
Output Current (USB-A Socket)	3A/ 2A/ 1.5A
Input Voltage (USB-C Socket)	5V/ 9V/ 12V/ 15V/ 20V
Input Current (USB-C Socket)	3A/ 3A/ 2.5A/ 2A/ 1.5A
Output Voltage (USB-C Socket)	5V/ 9V/ 12V/ 15V/ 20V
Output Current (USB-C Socket)	3A/ 3A/ 2.5A/ 2A/ 1.5A
Jumpstart Output Voltage	12V
Jumpstart Output Current (Starting Current)	500A(3S)
Jumpstart Peak Current	1200(0.1S)
Charging Time (Full Charge)	3H
Charging Method	USB-C PD
Approximate Number of Jumpstarts per Full Charge	35 times for 3.0L petrol car
Operating Temperature Range	-20 ~ 60°C

ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

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DECLARATION OF CONFORMITY

We declare that this product conforms to the following standards:

EMC EN 55032: 2015+A11:2020

EMC 55035: 2017+A11:2020

ROHS Directive 2011/65/EU amended 2015/863



A handwritten signature in black ink, appearing to read 'S. J. O'.

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