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SYPOM A13B

SYPOM A13B Car Jump Starter User Manual

Model: A13B

1. Introduction

This manual provides detailed instructions for the safe and effective use of your SYPOM A13B Car Jump Starter. This portable device is designed to jump-start vehicles with dead batteries, serve as a power bank for electronic devices, and provide emergency lighting. Please read this manual thoroughly before first use and retain it for future reference.



Image 1.1: The SYPOM A13B Car Jump Starter unit with its smart jumper cables.

2. Product Overview and Package Contents

The SYPOM A13B is a versatile portable jump starter capable of delivering a 4000A peak current. It is suitable for starting all gas engines and diesel engines up to 10L. Beyond jump-starting, it functions as a portable power bank and features an LED flashlight.

Package Contents:

- SYPOM Jump Starter Battery Pack
- Heavy-Duty Smart Jumper Cables
- USB Charging Cable (Type-C)
- User Manual



Image 2.1: Visual representation of the SYPOM A13B package contents, including the jump starter, smart clamps, charging cable, and user manual.

3. Safety Information

Always observe the following safety precautions to prevent injury or damage to the device or vehicle:

- Do not immerse the unit in water.
- Do not operate the unit in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Do not modify or disassemble the unit. Only qualified service personnel should repair this device.
- Keep out of reach of children.
- Ensure proper ventilation during use.
- Avoid short-circuiting the jumper clamps.
- Do not jump-start a frozen battery.
- If the battery fluid comes into contact with skin or eyes, flush immediately with clean water and seek medical attention.
- The included battery charger jumper cables feature overcurrent protection, overload protection, overvoltage protection, and reverse polarity protection for safe operation.

4. Charging the Jump Starter

Before first use, or if the unit has been stored for an extended period, fully charge the jump starter to calibrate its 12V battery charging system and ensure optimal performance.

Charging Procedure:

1. Connect the provided USB charging cable to the 5-9V/2A INPUT PORT on the jump starter.
2. Connect the other end of the USB charging cable to a compatible USB wall charger (not included).
3. The LED indicator lights on the jump starter will illuminate to show the charging progress. All four lights will be solid when fully charged.
4. A full charge typically takes approximately 4 hours.

Note: For long-lasting effectiveness, charge the battery at least once every 3 months if not in use.



Image 4.1: The jump starter being charged using a USB cable and a wall adapter. Wall charger is not included.

5. Operating Instructions: Jump Starting a Vehicle

Ensure the jump starter is fully charged before attempting to jump-start a vehicle.

Jump Starting Procedure:

1. **Insert Jumper Cable:** Firmly insert the blue plug of the smart jumper cables into the 12V JUMP STARTER PORT on the jump starter unit. Ensure a secure connection.
2. **Connect to Car Battery:**
    - Connect the **red (+) clamp** to the positive (+) terminal of the vehicle's battery.
    - Connect the **black (-) clamp** to the negative (-) terminal of the vehicle's battery.
3. **Check LED Indicator:** The LED indicator on the smart jumper cable will show the connection status. A solid green light indicates a correct and safe connection, ready for jump-starting. If the light is red or flashing, check the connections and ensure there are no short circuits or reverse polarity.
4. **Start Vehicle:** Once the green light is solid, start your car engine. If the engine does not start immediately, wait 30 seconds before trying again. Do not crank for more than 3 seconds per attempt.
5. **Remove Cables:** After the vehicle starts, immediately remove the jumper cables from the car battery (black first, then red) and then disconnect the smart cable from the jump starter unit.



Image 5.1: Step-by-step guide for connecting the jump starter to a vehicle battery and initiating the start.



Image 5.2: The SYPOM A13B is capable of starting a wide range of vehicles, including motorcycles, cars, and trucks with engines up to 10L diesel.

6. Operating Instructions: Power Bank Function

The SYPOM A13B can charge various electronic devices via its USB output ports.

Using as a Power Bank:

1. Connect your device's charging cable to one of the USB output ports on the jump starter (5V/3A OUTPUT PORT, PD 18W USB-A OUT, or 15W USB-C OUT).
2. Press the power button (SWITCH) on the jump starter to begin charging.
3. The LED indicator lights will show the remaining battery capacity of the jump starter.



Image 6.1: The jump starter functioning as a portable power bank, charging multiple devices simultaneously.



Image 6.2: Close-up view of the jump starter's output ports for charging electronic devices.

7. Operating Instructions: LED Flashlight

The integrated LED flashlight offers three modes: stable light, strobe light, and SOS signal light.

Using the LED Flashlight:

1. Press and hold the LED FLASH LIGHT button for approximately 3 seconds to turn on the stable light.
2. Press the button again to cycle through the modes: stable light → strobe light → SOS signal light → off.



Image 7.1: The jump starter's LED light in operation, demonstrating its various modes.



Image 7.2: Detailed view of the LED light function, indicating the SOS, stable, and strobe modes.

8. Maintenance and Storage

Proper maintenance and storage will extend the lifespan of your SYPOM A13B Car Jump Starter.

- **Charging:** Recharge the unit at least once every three months, even if not in use, to maintain battery health.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

- **Storage Temperature:** Store the jump starter in a cool, dry place, away from direct sunlight and extreme temperatures. The unit is designed to operate effectively in temperatures ranging from 4°F to 140°F (-15°C to 60°C).
- **Protection:** Keep the unit away from moisture and corrosive materials.



Image 8.1: The jump starter is designed to perform reliably in a wide range of temperatures, from cold winter conditions to hot desert environments.

9. Troubleshooting

If you encounter issues with your SYPOM A13B, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely discharged.	Charge the jump starter fully.
Vehicle does not start after jump-starting.	Incorrect cable connection; Jump starter battery too low; Vehicle battery severely damaged.	Check cable connections (ensure green light on smart cable); Recharge jump starter; Consult a mechanic for vehicle battery inspection.
Smart jumper cable shows red/flashing light.	Reverse polarity connection; Short circuit; Over-current.	Disconnect immediately and re-connect clamps correctly (red to positive, black to negative); Ensure clamps do not touch each other.
Devices not charging from USB ports.	Jump starter is off; Low battery on jump starter; Faulty USB cable.	Press the power button to activate; Recharge jump starter; Try a different USB cable.
LED flashlight does not work.	Jump starter is off; Low battery.	Press and hold the LED FLASH LIGHT button; Recharge jump starter.

10. Specifications

Technical specifications for the SYPOM A13B Car Jump Starter:

Feature	Specification
Brand	SYPOM
Model Number	A13B
Peak Output Current	4000 Amps
Engine Compatibility	All Gas, up to 10L Diesel
Battery Type	Lithium Ion (1 included)
Product Dimensions	3.35"D x 6.5"W x 1.38"H
Item Weight	1.65 pounds
Input Port	5-9V/2A (USB-C)
Output Ports	5V/3A, PD 18W USB-A, 15W USB-C
Operating Temperature	4°F to 140°F (-15°C to 60°C)
UPC	752859204534



Image 10.1: Detailed view of the jump starter's components and labeled ports.

11. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official SYPOM website. Keep your purchase receipt as proof of purchase for warranty claims.

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