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Powkey A9

Powkey 2000A Car Jump Starter User Manual

Model: A9

IMPORTANT SAFETY INFORMATION

Please read and understand all safety information before using this product. Failure to follow these instructions may result in electrical shock, explosion, fire, which may result in serious injury, death, or property damage.

- Do not operate the jump starter if it is damaged.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red clamp to positive, black clamp to negative).
- Keep out of reach of children.
- Do not immerse the unit in water.
- Use only the provided smart jumper cables.
- Do not short-circuit the clamps.
- Store in a cool, dry place.

PRODUCT OVERVIEW

The Powkey 2000A Car Jump Starter (Model A9) is a portable and powerful device designed to jump start vehicles, charge mobile devices, and provide emergency lighting.

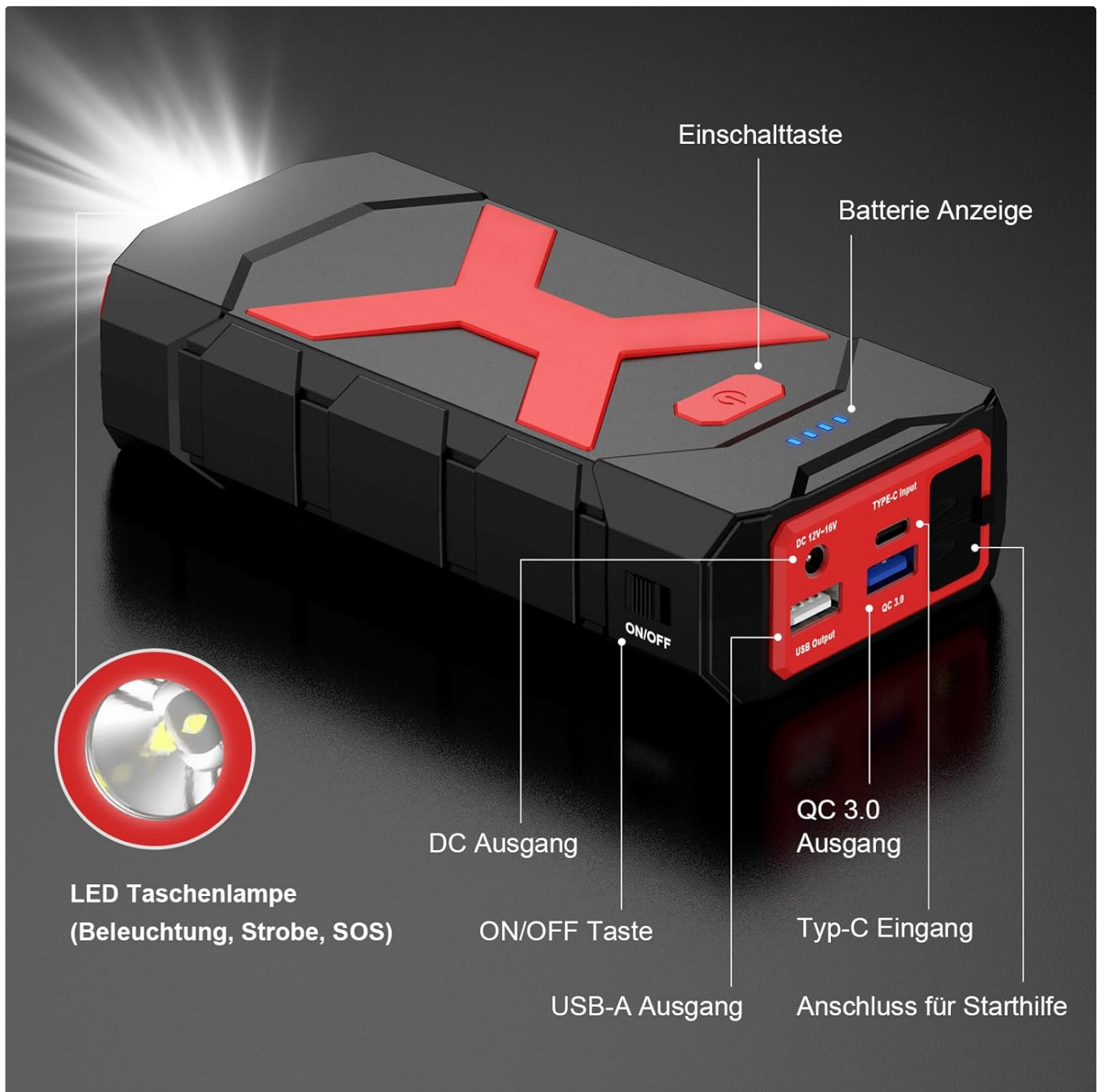


Figure 1: Powkey Jump Starter with key components labeled, including power button, battery indicator, USB-C input, USB outputs, DC output, and jump start port.

Key Features:

- **2000A Peak Current:** Capable of jump starting gasoline engines up to 8.0L and diesel engines up to 6.5L.
- **20000mAh Capacity:** Provides multiple jump starts on a single charge.
- **Dual USB Ports:** Includes a Quick Charge 3.0 port for fast charging of mobile devices.
- **12V-16V/6A DC Output:** For powering other car accessories.
- **3-in-1 LED Flashlight:** Features illumination, strobe, and SOS modes.
- **UltraSafe Smart Clamps:** Built-in protection against short-circuits, overloads, overcurrents, overheating, reverse connection, and reverse polarity.
- **Durable Design:** IP66 water-resistant, dustproof, and shockproof.

SPECIFICATIONS

Parameter	Value
Model	A9
Capacity	20000 mAh
Peak Current	2000 A
USB Output 1	5V/2.1A
USB Output 2 (QC3.0)	5V/3A, 9V/2A, 12V/1.5A
DC Output	12V-16V/6A (5.5 x 2.1mm)
USB-C Input	5V/2A, 9V/2A
Compatible Vehicle Type	Up to 8.0L Gas, 6.5L Diesel
Operating Temperature	-20°C to 65°C (-4°F to 149°F)
Dimensions (L x W x H)	16.6 x 4 x 8 cm
Weight	870 g
Waterproof Rating	IP66

CHARGING THE JUMP STARTER

Before first use, fully charge the Powkey Jump Starter. It is recommended to recharge the unit every 3-6 months to maintain battery health, even if not in use.

1. Connect the provided USB-C cable to the USB-C input port on the jump starter.
2. Connect the other end of the USB-C cable to a USB wall charger (not included) or a powered USB port.
3. The battery indicator lights will illuminate and flash during charging. All four lights will be solid when fully charged.



Figure 2: The Powkey Jump Starter unit shown with its accessories, including the USB cable for charging.

OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Ensure the jump starter is at least 50% charged before attempting to jump start a vehicle.

1. **Prepare the Vehicle:** Turn off the vehicle's ignition and all accessories (headlights, radio, air conditioning). Engage the parking brake.
2. **Connect Smart Clamps:** Insert the blue plug of the smart jumper cables firmly into the jump start port on the Powkey unit. Ensure a secure connection.
3. **Connect to Battery:**
 - Connect the **RED** positive (+) clamp to the positive (+) terminal of the vehicle's battery.
 - Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the vehicle's battery.

Note: If the smart clamp indicator light is green, the connection is correct and safe to proceed. If it's red or flashing, check connections and battery voltage.

4. **Start the Vehicle:** Once the smart clamp indicator is green, start the vehicle's engine. Do not crank for more than 3

seconds. If the vehicle does not start, wait at least 30 seconds before attempting again. Do not attempt more than 3 consecutive starts.

5. **Remove Clamps:** Once the vehicle starts, immediately remove the black negative (-) clamp from the vehicle battery, then remove the red positive (+) clamp. Finally, disconnect the smart jumper cables from the Powkey unit.



Figure 3: The Powkey Jump Starter connected to a vehicle battery using the smart clamps, ready for jump starting.

INTELLIGENTE STARTHILFEKABEL

Mehrfach Sicherheitsschutz



Figure 4: The intelligent smart jumper cables, designed with multiple safety protections to prevent incorrect connections and sparks.

USING AS A POWER BANK

The Powkey Jump Starter can also be used to charge various electronic devices via its USB ports or power 12V accessories via its DC output.

USB Charging:

1. Connect your device's USB charging cable to either the USB Output 1 (5V/2.1A) or USB Output 2 (QC3.0) port on the jump starter.
2. Press the power button on the jump starter to begin charging. The battery indicator lights will show the remaining charge.

DC Output (12V-16V/6A):

1. Connect the provided cigarette lighter adapter to the DC output port on the jump starter.
2. Plug your 12V car accessory (e.g., car vacuum, tire inflator) into the cigarette lighter adapter.

3. Press the power button to activate the DC output.



Figure 5: The Powkey Jump Starter demonstrating its power bank functionality, charging a smartphone and a tablet via its USB ports.

LED FLASHLIGHT FUNCTION

The built-in LED flashlight offers three modes for various situations.

1. **Turn On/Off:** Press and hold the power button for approximately 3 seconds to turn the LED flashlight on or off.
2. **Switch Modes:** Once the flashlight is on, short press the power button to cycle through the modes:
 - **Illumination:** Standard steady light for general use.
 - **Strobe:** Flashing light for signaling or attracting attention.
 - **SOS:** Morse code signal (three short, three long, three short) for emergency situations.

NOTLICHT LED

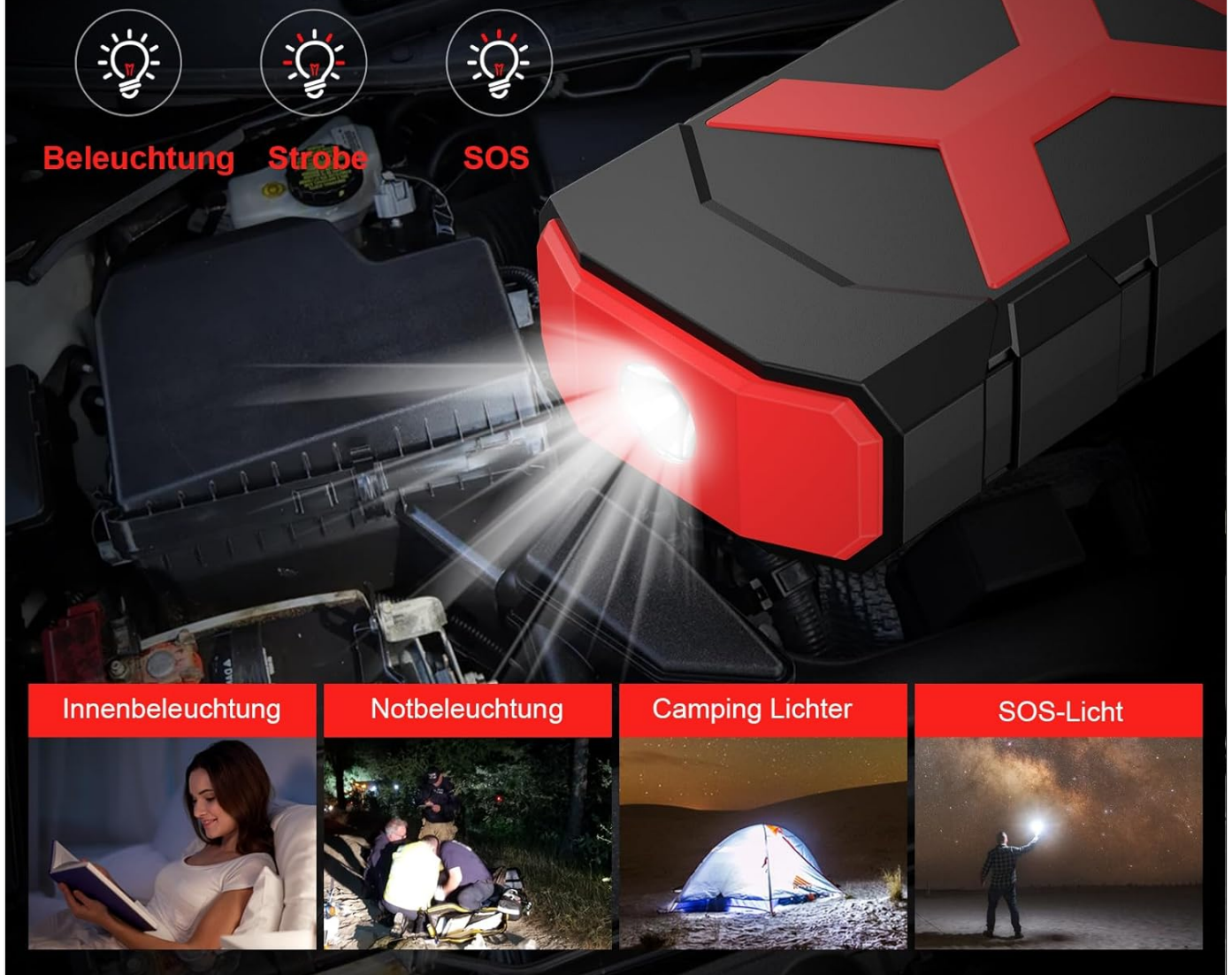


Figure 6: The Powkey Jump Starter's integrated LED flashlight demonstrating its various modes, including illumination, strobe, and SOS.

MAINTENANCE AND STORAGE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- **Charging:** Recharge the unit every 3-6 months to prolong battery life, even if not in use.
- **Storage:** Store the jump starter in a cool, dry place, away from direct sunlight, heat sources, and moisture. Use the provided EVA storage case for protection.
- **Temperature:** Avoid storing or operating the unit outside its recommended temperature range (-20°C to 65°C).

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely drained.	Charge the jump starter fully.
Vehicle does not start.	Incorrect clamp connection.	Ensure clamps are connected correctly (red to positive, black to negative). Check smart clamp indicator light.
Vehicle battery is severely damaged or frozen.	The jump starter cannot start a completely dead or damaged battery. Seek professional assistance. Do not attempt to jump start a frozen battery.	
Jump starter overheated.	Excessive cranking attempts or continuous use.	Allow the unit to cool down for several minutes before attempting to use it again.
USB devices not charging.	Jump starter not turned on or low battery.	Press the power button to activate USB output. Recharge the jump starter if battery is low.
Smart clamp indicator is red/flashing.	Reverse polarity, short circuit, or low battery voltage.	Disconnect clamps, check connections, ensure correct polarity. If issue persists, the vehicle battery might be too low or faulty.

If the jump starter is unresponsive, locate the "RST" (Reset) button (usually a small pinhole) and press it with a thin object like a paperclip or toothpick to reset the device.

WHAT'S IN THE BOX

The Powkey 2000A Car Jump Starter package includes the following items:

- Powkey 2000A Car Jump Starter Unit
- Smart Jumper Cables
- USB-C Charging Cable
- Cigarette Lighter Adapter (DC Output)
- EVA Storage Case
- User Manual

WARRANTY AND SUPPORT

Powkey products are designed and manufactured to the highest quality standards. For warranty information or technical support, please refer to the contact details provided on the product packaging or the official Powkey website.

For further assistance, you may contact Powkey customer service directly. Please have your model number (A9) and purchase details ready.