

Andeman EP-166

Andeman 4000A Jump Starter (Model EP-166) User Manual

Model: EP-166 | Brand: Andeman

1. INTRODUCTION

Thank you for choosing the Andeman 4000A Jump Starter, Model EP-166. This device is designed to provide reliable power for jump-starting vehicles and charging electronic devices. Please read this manual thoroughly before use to ensure safe and optimal operation.

1.1. What's in the Box

- Epower-166 Jump Starter Unit x1
- Smart Clamps x1
- Type-C Charging Cable x1
- User Manual x1
- Storage Box x1

WHAT'S IN THE BOX



Image: All components included in the Andaman Jump Starter package, laid out for clear visibility.

2. SAFETY PRECAUTIONS

Your safety is paramount. This device incorporates advanced safety features, but proper handling is crucial. The Andaman EP-166 is UL Certified, ensuring it meets stringent safety standards.

2.1. Integrated Safety Protections

The intelligent safety terminals feature 10 advanced protections:

- Overload Protection
- Spark Protection
- Reverse Charge Protection

- Reverse Polarity Protection
- Over Current Protection
- Low Temperature Protection
- Over Charge Protection
- Short Circuit Protection
- Over Voltage Protection
- High Temperature Protection



Image: An internal view highlighting the 10 advanced safety protections integrated into the Andaman Jump Starter for secure operation.

2.2. Environmental Considerations

- **Temperature Range:** The device is engineered to operate in extreme temperatures, from -20°C (-4°F) to 60°C (140°F).

- **Waterproof Rating:** With an IP65 waterproof rating, the unit is resistant to rain and splashes. Avoid submerging the device in water.
- **Durability:** The design is drop-proof and sand-proof for enhanced durability in various environments.

3. SETUP

3.1. Charging the Jump Starter

Before initial use, fully charge the jump starter. It features Type-C 3.0A Quick Charging technology, allowing a full charge from 0% to 100% in approximately 1.8 hours. Each complete charge provides up to 80 jump-starts.

- Connect the provided Type-C charging cable to the jump starter's input port.
- Connect the other end of the cable to a suitable USB power adapter (not included).
- The LED display will show the charging progress.



Image: The jump starter being fast-charged via its Type-C port inside a vehicle, showing its quick recharge capability.

4. OPERATING INSTRUCTIONS

4.1. Jump Starting a Vehicle

1. Ensure the jump starter is adequately charged.
2. Insert the smart clamps cable into the jump starter's dedicated port.
3. Connect the red (+) clamp to the positive terminal of the vehicle's battery.
4. Connect the black (-) clamp to the negative terminal of the vehicle's battery.
5. Check the indicator light on the smart clamps. A solid green light indicates it's safe to proceed. If it flashes red or beeps, refer to the troubleshooting section.
6. Start the vehicle's engine.

7. Once the vehicle starts, remove the smart clamps from the vehicle battery within 30 seconds.
8. Disconnect the smart clamps cable from the jump starter.



Image: The Andeman Jump Starter connected to a car battery, illustrating the ease of use for jump-starting a vehicle.

4.2. Using as a Power Bank

The 20000mAh capacity allows the jump starter to function as a power bank for various electronic devices.

- Connect your device's charging cable to one of the available USB output ports (USB-A: 2.1A; 5V/9V/12V or USB-B: 3A; 5V/2.1A).
- The dedicated Type-C port can also charge laptops at speeds comparable to their original adapters.
- The LED display will show the remaining battery percentage.

20000mAh POWER BANK

Rapid Charging Anytime, Anywhere



Image: The 20000mAh power bank feature in action, charging a laptop, smartphone, tablet, headphones, and smartwatch.

4.3. Using the LED Flashlight

The built-in ultra-bright LED flashlight offers three lighting modes:

- **Flashlight:** For general illumination (e.g., inspecting an engine, changing a tire).
- **SOS:** A life-saving signal light for emergencies.
- **Strobe:** A traffic warning light to alert oncoming traffic.

To activate and cycle through the modes, press the dedicated flashlight button on the unit.

400 LUMENS LED FLASHLIGHT

36 Hours of Battery Life

SOS
STROBO
LAMPEGGIANTE



Image: Illustration of the three versatile LED lighting modes: standard flashlight, SOS signal, and strobe, useful for various emergencies.

5. MAINTENANCE

5.1. Charging and Storage

- Recharge the jump starter every 3-6 months if it is not in regular use to maintain battery health.
- Store the device in its protective storage box in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

The smart clamps provide visual and audible feedback to help diagnose common issues:

Indicator Light/Sound	Meaning	Action
Solid Green Light	Ready to jump start	Proceed with jump starting.
Red Light & Flash	Low Voltage	Ensure the jump starter is fully charged.
Beep & Red Light	Short Circuit / Reverse Charge / Reverse Polarity	Check clamp connections to ensure correct polarity (red to +, black to -) and no short circuits.

7. SPECIFICATIONS

Feature	Detail
Brand	Andeman
Model	EP-166
Peak Output Current	4000 Amps
Battery Capacity	20000mAh
Battery Type	Lithium Ion (4 included)
Product Dimensions	3.94"D x 4.33"W x 8.07"H
Item Weight	2.9 Pounds (approx. 1.3 kg)
Engine Compatibility	Up to 8L Gas / 7L Diesel Engines
Charging Input	Type-C 3.0A (5V/3A)
USB Output 1	USB-A (2.1A; 5V/9V/12V)
USB Output 2	USB-B (3A; 5V/2.1A)
Specification Met	UL, IP65

8. OFFICIAL PRODUCT VIDEOS

8.1. Andeman Car Jump Starter: Easy to Use!

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Video: This video demonstrates the ease of use of the Andeman Car Jump Starter, highlighting its simple connection process and quick vehicle starting capabilities. It emphasizes the convenience and reliability of the device for all car owners.

8.2. Andeman 4000A Jump Starter with Power Bank Review

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Video: A detailed review showcasing the Andeman 4000A Jump Starter's features, including its powerful jump-starting ability and its function as a versatile power bank for various electronic devices.

8.3. Full Size SUV - How Well Does It Work?

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Video: This video demonstrates the effectiveness of the Andeman Jump Starter on a full-size SUV, proving its capability to start larger vehicles with ease.

8.4. Why I Love This Jump Starter By Andeman. Quick Demo!

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Video: A quick demonstration highlighting the key features and benefits of the Andeman Jump Starter, showcasing its practical applications and user-friendly design.

8.5. Never Get Stranded! Andeman Car Jump Starter!!

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Video: This video emphasizes the reliability of the Andeman Car Jump Starter in preventing vehicle breakdowns, demonstrating its effectiveness in emergency situations.

8.6. Andeman 2500A Jump Starter Ep166- New Gem!! (Preview)





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Video: A short preview showcasing the Andeman EP-166 Jump Starter, highlighting its compact design and essential features for quick power solutions.

9. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the user manual included in your product package. You may also contact Andeman customer service directly via email: andeman@andeman.com.

Related Documents - EP-166

	<p>Andeman Epower-166 Multi-Function Jump Starter User Manual</p> <p>User manual for the Andeman Epower-166 multi-function jump starter, detailing its features, usage, charging, troubleshooting, and safety instructions for 12V vehicles. Includes product overview, package contents, specifications, and FCC statement.</p>
	<p>Andeman Epower-155 Pro Multi-Function Jump Starter User Manual</p> <p>User manual for the Andeman Epower-155 Pro, a powerful 3000A multi-function jump starter and power bank. Find detailed instructions on jump-starting vehicles, charging the device, using the LED light, specifications, safety precautions, and troubleshooting tips.</p>
	<p>Andeman Epower-B05 Multi-Function Jump Starter and Air Compressor User Manual</p> <p>Comprehensive user manual for the Andeman Epower-B05, a multi-function jump starter, air compressor, and power bank. Includes operating instructions, features, specifications, troubleshooting, and safety precautions.</p>
	<p>Andeman Epower-177 Multi-Function Jump Starter User Manual</p> <p>Comprehensive user manual for the Andeman Epower-177 multi-function jump starter, covering product overview, specifications, usage instructions, safety guidelines, and troubleshooting.</p>

	<p>Andeman JS-301A Smoke Leak Detector User Manual</p> <p>Comprehensive user manual for the Andeman JS-301A Automotive Smoke Leak Detector, covering product introduction, working theory, preparation, functions, maintenance, safety instructions, and operation.</p>
	<p>Andeman ST18 Cordless Pressure Washer Instruction Manual</p> <p>Official instruction manual for the Andeman ST18 Cordless Pressure Washer, detailing its features, accessories, installation steps, optional usage, troubleshooting, and FCC compliance.</p>