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› LIMETA MD36 72W Dual USB-C GaN Charger User Manual

LIMETA MD36

LIMETA MD36 72W Dual USB-C GaN Charger User Manual

Model: MD36

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the LIMETA MD36 72W Dual USB-C GaN Charger. This compact and powerful charger is designed to provide fast and efficient charging for a wide range of devices, utilizing advanced Gallium Nitride (GaN) technology for superior performance in a smaller form factor. Please read this manual carefully to ensure proper use and optimal performance of your device.

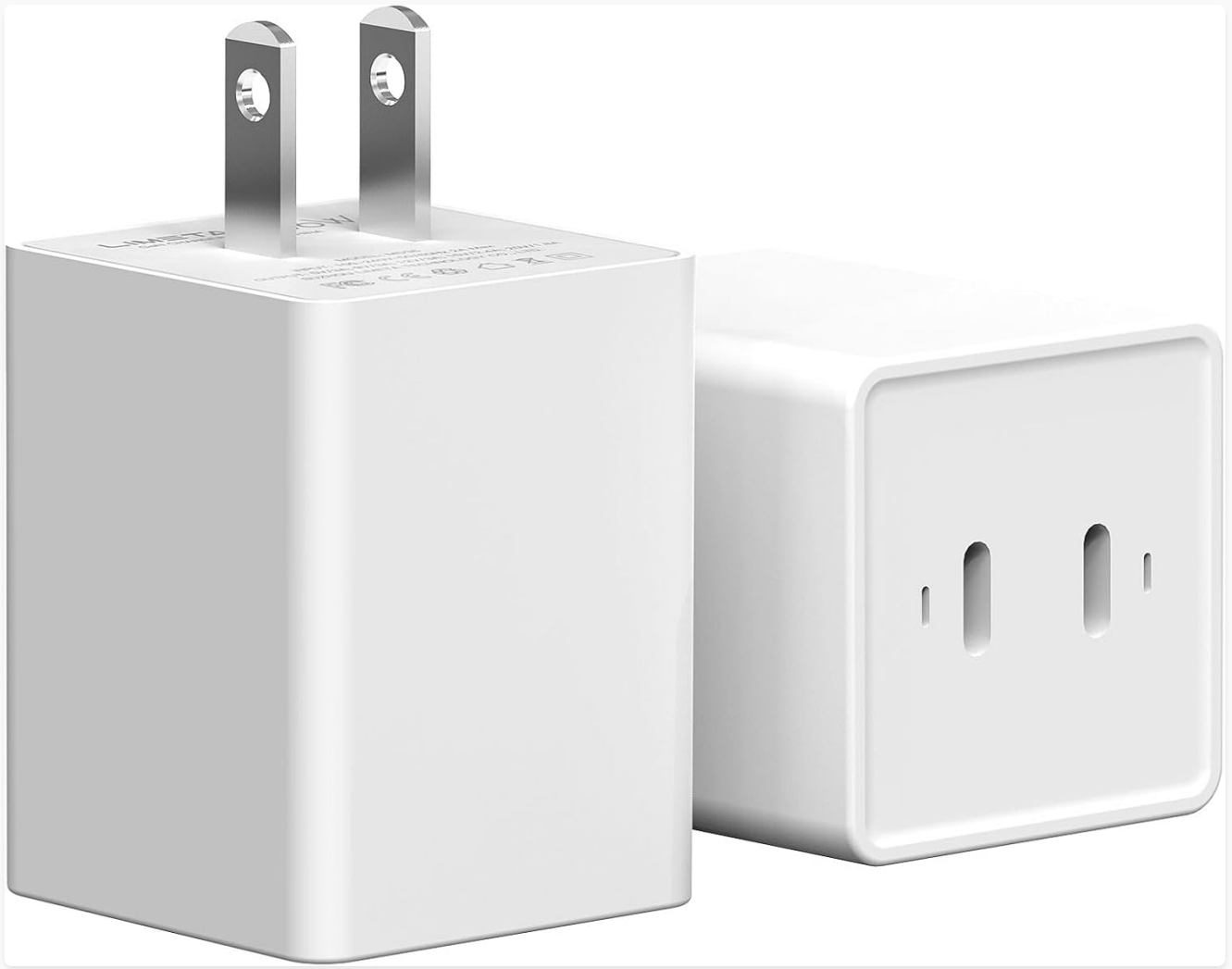


Image 1.1: The LIMETA MD36 72W Dual USB-C GaN Charger, showcasing its compact design and dual USB-C ports.

2. PRODUCT FEATURES

- **Dual Port Parallel Fast Charging:** Equipped with two USB-C ports, each capable of delivering up to 36W independently, allowing simultaneous high-speed charging without performance degradation.
- **Advanced GaN Technology:** Utilizes Gallium Nitride (GaN) semiconductors for a more compact design, enhanced energy efficiency, reduced heat generation, and faster charging speeds compared to traditional silicon-based chargers.
- **Compact and Travel-Friendly:** The innovative small-form-factor design ensures powerful dual-port charging while maintaining high portability.
- **Efficient Bi-Directional Charging:** Features bi-directional parallel charging technology that can double the self-charging speed when used with compatible ISDT mobile power supplies.
- **Comprehensive Safety Protection:** Integrated multiple protection features including over-temperature, over-voltage, overcurrent, undervoltage, and short-circuit protection for a safe and reliable charging experience.

Multit-Protection



Over-voltage
protection



Undervoltage
protection



Overheat
protection



Overcurrent
protection



Short circuit
protection

Image 2.1: Visual representation of the multi-protection features, including over-voltage, undervoltage, overheat, overcurrent, and short circuit protection.

Tiny Enough to Take Anywhere



Image 2.2: The compact size of the LIMETA MD36 charger, illustrating its portability and smaller footprint compared to older charger designs.

3. SETUP

1. **Unboxing:** Carefully remove the LIMETA MD36 charger from its packaging. Inspect the charger for any visible damage.
2. **Power Connection:** Plug the charger into a standard AC wall outlet. Ensure the outlet provides the correct input voltage as specified in the 'Specifications' section.
3. **Cable Connection:** Connect a compatible USB-C charging cable (not included with the charger, but two USB cables are listed as included components in the product specifications, please verify your package contents) to one of the USB-C ports on the charger.
4. **Device Connection:** Connect the other end of the USB-C cable to your device (e.g., smartphone, tablet, laptop).

4. OPERATING INSTRUCTIONS

The LIMETA MD36 charger is designed for simple plug-and-play operation. Follow these guidelines for optimal performance:

- **Single Device Charging:** Connect your device to either USB-C port for fast charging. The charger will automatically detect your device's power requirements and deliver the optimal charging speed up to 36W.
- **Dual Device Charging:** Connect two devices simultaneously to both USB-C ports. Each port will independently deliver up to 36W, allowing both devices to charge at high speed without compromising the other.
- **Supported Protocols:** The charger supports various fast charging protocols, including PD3.0, PD2.0, PPS, QC4.0, QC3.0, QC2.0, AFC, FCP, and SCP, ensuring compatibility with a wide range of modern devices.
- **Bi-Directional Charging (with ISDT Mobile Power Supplies):** When paired with compatible ISDT mobile power supplies, the charger can utilize its bi-directional parallel charging technology to significantly reduce the power bank's self-charging time.

2-Port Fast Charging

Power 2 devices simultaneously



Image 4.1: Illustration of the LIMETA MD36 charger powering two devices concurrently, demonstrating its dual 36W output capability.

Charge 2 Devices at Once

independent interfaces,
2 USB-C ports balanced flash charging



Image 4.2: The charger connected to two smartphones, illustrating its ability to charge two devices at once using independent USB-C interfaces.

5. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the charger or subjecting it to strong impacts. Do not attempt to disassemble or modify the charger.

6. TROUBLESHOOTING

- **Charger Not Working:**
 - Ensure the charger is securely plugged into a functional wall outlet.
 - Try a different wall outlet.
 - Check if the charging cable is properly connected to both the charger and your device.
 - Test with a different USB-C cable to rule out cable issues.
- **Slow Charging:**
 - Ensure your device and cable support fast charging protocols (PD3.0, QC4.0).
 - Verify that your device is not running power-intensive applications in the background.
 - If charging two devices, ensure both are compatible with the charger's output capabilities.
- **Overheating:**
 - While GaN technology reduces heat, some warmth during operation is normal. If the charger becomes excessively hot, disconnect it immediately.
 - Ensure adequate ventilation around the charger. Do not cover it.
 - Avoid charging in high ambient temperatures.

7. SPECIFICATIONS

Specification	Detail
Model Number	MD36
Product Dimensions	1.47 x 2.55 x 1.48 inches
Item Weight	3.17 ounces
Input Voltage	2.4E+2 Volts (AC)
Output Voltage	5 Volts (DC)
Total USB Ports	2 (USB Type C)
Connector Type	USB Type C
Compatible Devices	Cellular Phones, Tablets, Laptops (supporting USB-C PD)
Compatible Phone Models	iPhone 15, iPhone 15 Pro, iPhone 15 Pro Max, Galaxy S24, and other USB-C compatible devices
Included Components	2 x USB Cable (Please verify package contents as product is a charger)



Increased Compatibility

*Supported protocols include but are not limited to: PD3.0/PD2.0/PPS, QC4/QC3.0/QC2.0, AFC, FCP/SCP

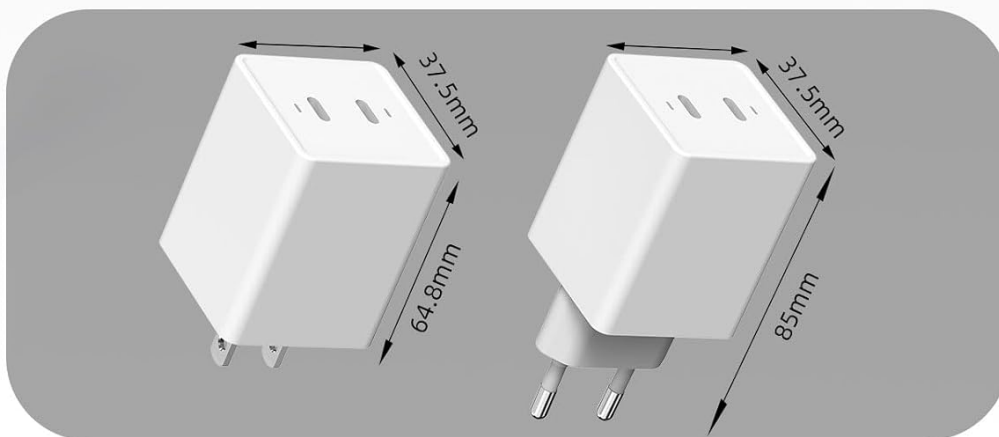


Image 7.1: Detailed dimensions of the LIMETA MD36 charger and a list of supported charging protocols for increased compatibility.

8. WARRANTY AND SUPPORT

LIMETA products are manufactured with a commitment to quality and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official LIMETA website. If you encounter any issues or have questions regarding your LIMETA MD36 charger, please contact our customer support team through the retailer's platform or the contact information provided on the official LIMETA website.

