

MOES TK-EWP2652C-WH-6P-MS

MOES 65W GaN USB-C Wall Outlet (Model TK-EWP2652C-WH-6P-MS) Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MOES 65W GaN USB-C Wall Outlet, model TK-EWP2652C-WH-6P-MS. This device integrates two standard AC outlets with two USB-C Power Delivery (PD) ports, offering efficient and versatile charging solutions for various electronic devices. Please read this manual thoroughly before installation and use to ensure proper function and safety.

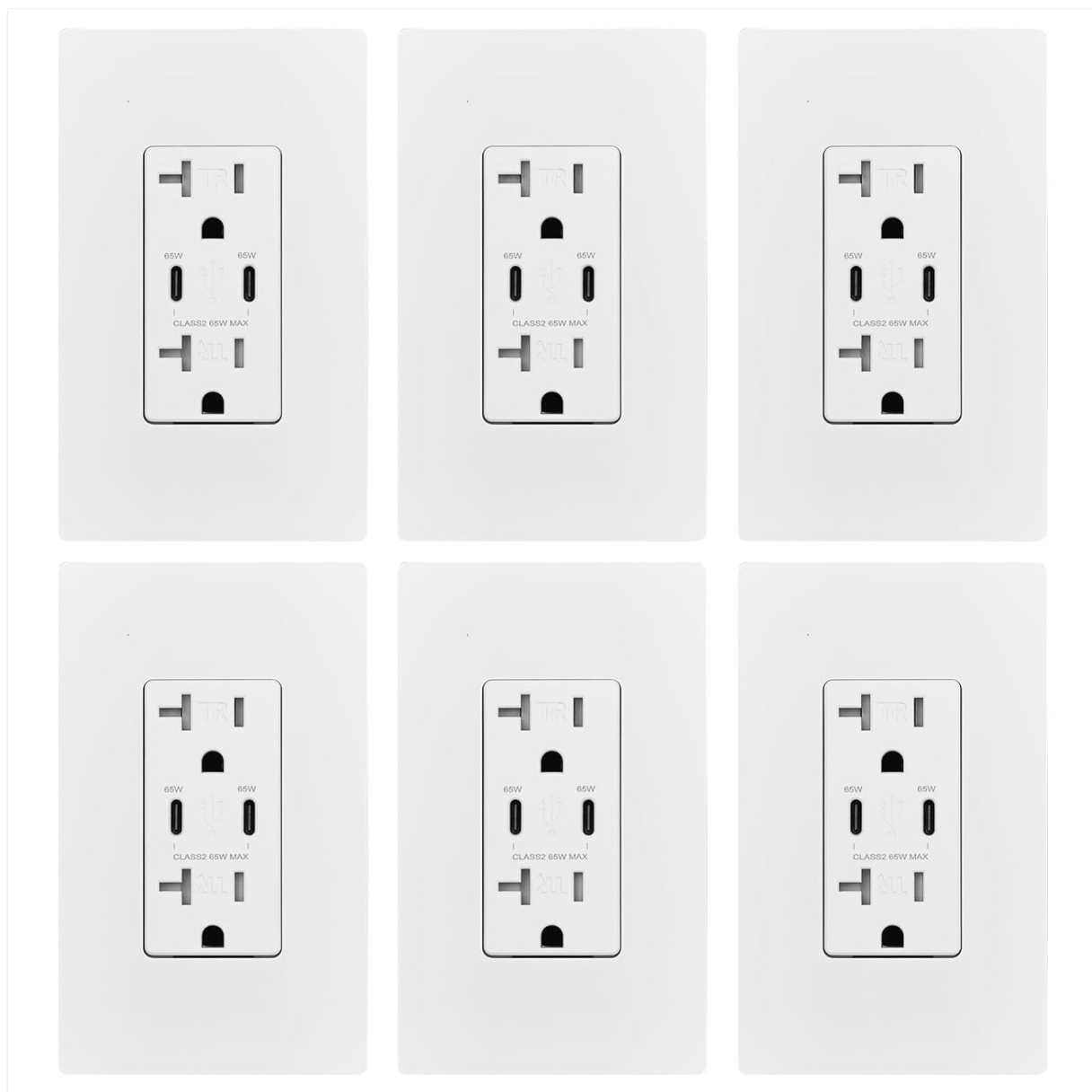


Image 1: MOES 65W GaN USB-C Wall Outlet with screwless wall plate.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x MOES 65W GaN USB-C Wall Outlet
- 1 x Screwless Wall Plate
- 4 x Mounting Screws
- 1 x User Manual (this document)

3. SAFETY INFORMATION

WARNING: To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that power is off before wiring. Installation should be performed by a qualified electrician if you are not familiar with electrical wiring.

- This device is designed for indoor use only.
- Do not install in wet locations or near sources of water.
- Ensure proper grounding to prevent electrical shock.

- The outlet features Tamper-Resistant (TR) shutters to prevent the insertion of foreign objects, enhancing safety for children.
- The product is ETL Listed, indicating compliance with North American safety standards.
- Built-in safety systems include Over-Current Protection, Over-Voltage Protection, Over-Load Protection, Over-Temperature Protection, and Grounded Protection.

Compatible With More Devices

3USB Ports share with total 65W



65W

PHONES

 <p>iphone 13 /13 Pro /13 Pro Max 12 /12 Pro M2 Pro Max 11 /1 Pro Mi Pro Max iPhoneXAS 8 Plus/7/6</p>	<p>SAMSUNG S20 ULTRA S10+ /9+ /8+ S10 /9 /8</p>
Pixel 3X1/3	Blackberry

TABLETS



IPAD pro 11
IPAD Air 11

OTHERS



Ipod

Image 2: Overview of safety features including various protections and ETL listing.

4. INSTALLATION

This outlet is designed for easy installation in most standard wall boxes and supports both side and back wiring methods.

4.1 Tools Required

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Voltage Tester
- Electrical Tape (optional)

4.2 Installation Steps

1. **Turn Off Power:** Locate the circuit breaker or fuse box controlling the outlet you intend to replace. Turn off the power to that circuit and verify with a voltage tester that the power is off.
2. **Remove Old Outlet:** Unscrew and carefully pull the existing outlet from the wall box. Disconnect the wires (hot, neutral, ground) from the old outlet.
3. **Prepare Wires:** If necessary, strip approximately 1/2 inch (12-14 mm) of insulation from the ends of the electrical wires.
4. **Connect Wires:** Connect the wires to the new MOES outlet:
 - **Green or Bare Copper Wire (Ground):** Connect to the green screw terminal.
 - **White Wire (Neutral):** Connect to the silver screw terminal.
 - **Black or Colored Wire (Hot/Live):** Connect to the brass screw terminal.

Ensure all connections are secure.

5. **Mount Outlet:** Carefully push the wired outlet back into the wall box. Secure it with the provided mounting screws.
6. **Install Wall Plate:** Attach the screwless wall plate over the outlet.
7. **Restore Power:** Turn the power back on at the circuit breaker.

DIMENSION



Image 3: Product dimensions for installation reference.

5. OPERATION

The MOES 65W GaN USB-C Wall Outlet provides both traditional AC power and advanced USB-C charging capabilities.

5.1 AC Outlets

Plug any standard electrical appliance or charger into the two 20 Amp AC receptacles. The tamper-resistant shutters will open only when a two-pronged plug is inserted correctly.

5.2 USB-C Power Delivery Ports

The two USB-C ports utilize GaN technology and Power Delivery (PD) to offer fast charging for compatible devices.

- **Single Port Use:** When only one USB-C port is in use, it can deliver up to 65W, enabling rapid charging for laptops, tablets, and smartphones.
- **Dual Port Use:** When both USB-C ports are in use simultaneously, the intelligent power distribution system provides an independent 30W fast charge to each connected device.
- **Compatibility:** Compatible with a wide range of devices including laptops, iPhones, iPads, Samsung Galaxy phones, Google Pixel phones, and more.

Power Delivery and Quick Charge



Image 4: Illustration of Power Delivery and Quick Charge functionality with voltage and current readings.

Smart Charging Chip

The built-in smart chip identifies the charging protocol and requirements of each device, ensuring maximum charging speed of the device even if five ports are charging at the same time.



Image 5: Examples of compatible devices including phones and tablets.

6. FEATURES

- **65W Power Delivery:** Delivers up to 65W for single-port USB-C charging, supporting laptops and other high-power devices. Intelligent power distribution ensures 30W per port when both are in use.
- **GaN Technology:** Utilizes Gallium Nitride (GaN) chip technology for higher energy efficiency, reduced heat generation, and a compact design.
- **Smart Charging Chip:** A built-in smart chip automatically identifies the charging protocol and power requirements of connected devices, optimizing charging speed.
- **Tamper-Resistant (TR) Outlets:** Complies with NEC requirements, featuring internal shutters that prevent accidental insertion of foreign objects into the receptacles, enhancing safety.
- **ETL Listed:** Certified for safety and quality by ETL.
- **Durable Construction:** Made with fire-resistant materials for enhanced safety and longevity.

Safer charging

Safety systems protect outlet from various hazards.



Image 6: Close-up view illustrating the smart charging chip technology.

7. SPECIFICATIONS

Model Number	TK-EWP2652C-WH-6P-MS
Brand	MOES
Color	Matte White
AC Outlet Rating	20 Amp
USB-C Output (Single Port)	65W Max (5V 3A / 9V 3A / 12V 3A / 15V 3A / 20V 3.25A, 3.3-21.0V 3.0A)
USB-C Output (Dual Port)	30W per port (simultaneously)
Technology	GaN (Gallium Nitride)
Product Dimensions	4.87"L x 2.95"W x 1.55"D (approximate, refer to Image 3 for detailed dimensions)
Certifications	ETL Listed

Compatible Devices

Laptops, Smartphones, Tablets, MP3 Players, etc.

8. TROUBLESHOOTING

- **No Power to Outlet:**
 - Check the circuit breaker or fuse box to ensure power is on.
 - Verify all wire connections are secure and correctly installed.
 - Ensure the outlet is properly grounded.
- **USB-C Ports Not Charging or Charging Slowly:**
 - Ensure your device and charging cable support Power Delivery (PD).
 - If charging two devices, note that power is distributed (30W per port).
 - Try a different USB-C cable or device to rule out compatibility issues.
 - Ensure the device is not drawing more power than the port can supply.
- **Tamper-Resistant Shutters Not Opening:**
 - Insert the plug straight and firmly into the receptacle, ensuring both prongs enter simultaneously.
 - Do not force the plug.

9. MAINTENANCE

To maintain the performance and appearance of your MOES 65W GaN USB-C Wall Outlet:

- **Cleaning:** Disconnect power to the outlet before cleaning. Use a soft, dry cloth to wipe the surface. Avoid abrasive cleaners, solvents, or excessive moisture.
- **Inspection:** Periodically inspect the outlet for any signs of damage, loose connections, or discoloration. If any issues are found, discontinue use and consult a qualified electrician.



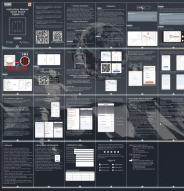


10. WARRANTY AND SUPPORT

MOES products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or visit the official MOES website. For technical support or further assistance, please contact MOES customer service through the contact information provided on their website or product packaging.

Related Documents - TK-EWP2652C-WH-6P-MS

[MOES 30W Power Delivery USB C Wall Electrical Outlet Instruction Manual](#)

Instruction manual for the MOES 30W Power Delivery USB C Wall Electrical Outlet (Model TK-EWP14AC-WH-MS-DC16). Includes specifications, safety warnings, parts list, and step-by-step installation guide.

	<p><u>Moes Smart Dimmer Switch: Installation, Operation, and App Guide</u></p> <p>Comprehensive guide for Moes Smart Dimmer Switches (Touch and Rotary models), covering installation, features, specifications, app setup, and troubleshooting. Enhance your smart home lighting with Moes.</p>
	<p><u>Moes Smart Switch Module User Manual and Setup Guide</u></p> <p>Comprehensive guide for Moes Smart Switch Modules (MS-101 series) covering installation, Wi-Fi/RF/Bluetooth pairing, troubleshooting, and integration with Alexa and Google Assistant.</p>
	<p><u>MOES Smart Switch ZigBee 3.0 Instruction Manual</u></p> <p>Comprehensive instruction manual for the MOES Smart Switch with ZigBee 3.0 protocol. Covers installation, setup, app connection, multi-control association, and Alexa integration for smart home automation.</p>
	<p><u>MOES Scene Switch User Manual: Smart Home Control</u></p> <p>Comprehensive user manual for the MOES Scene Switch, detailing features, specifications, installation, app operation, and service information for smart home integration using ZigBee/Bluetooth technology.</p>
	<p><u>MOES Smart Zigbee 3.0 Switch: Instruction Manual & Installation Guide</u></p> <p>Comprehensive guide for installing and using the MOES Smart Zigbee 3.0 Switch. Learn about setup, app connection, multi-control, Alexa integration, and troubleshooting.</p>