

QILIPSU QL-281913AGH

QILIPSU IP67 Waterproof Electrical Enclosure Instruction Manual

Model: QL-281913AGH

1. PRODUCT OVERVIEW

The QILIPSU IP67 Waterproof Electrical Enclosure is designed to provide robust protection for your electrical equipment in various environments. Constructed from high-grade ABS plastic, this enclosure offers long-lasting durability, reliable impact resistance, and excellent electrical insulation. Its IP67 rating ensures comprehensive protection against water and dust, making it suitable for both indoor and outdoor applications.

The design facilitates easy customization, allowing for drilling without cracking, and includes a mounting plate for straightforward equipment installation. This versatility makes it an ideal solution for a wide range of projects, including lighting systems, routers, POE switches, CCTV cameras, Starlink devices, solar panels, irrigation systems, ham radios, LEDs, power supplies, pool controls, and Wi-Fi devices.



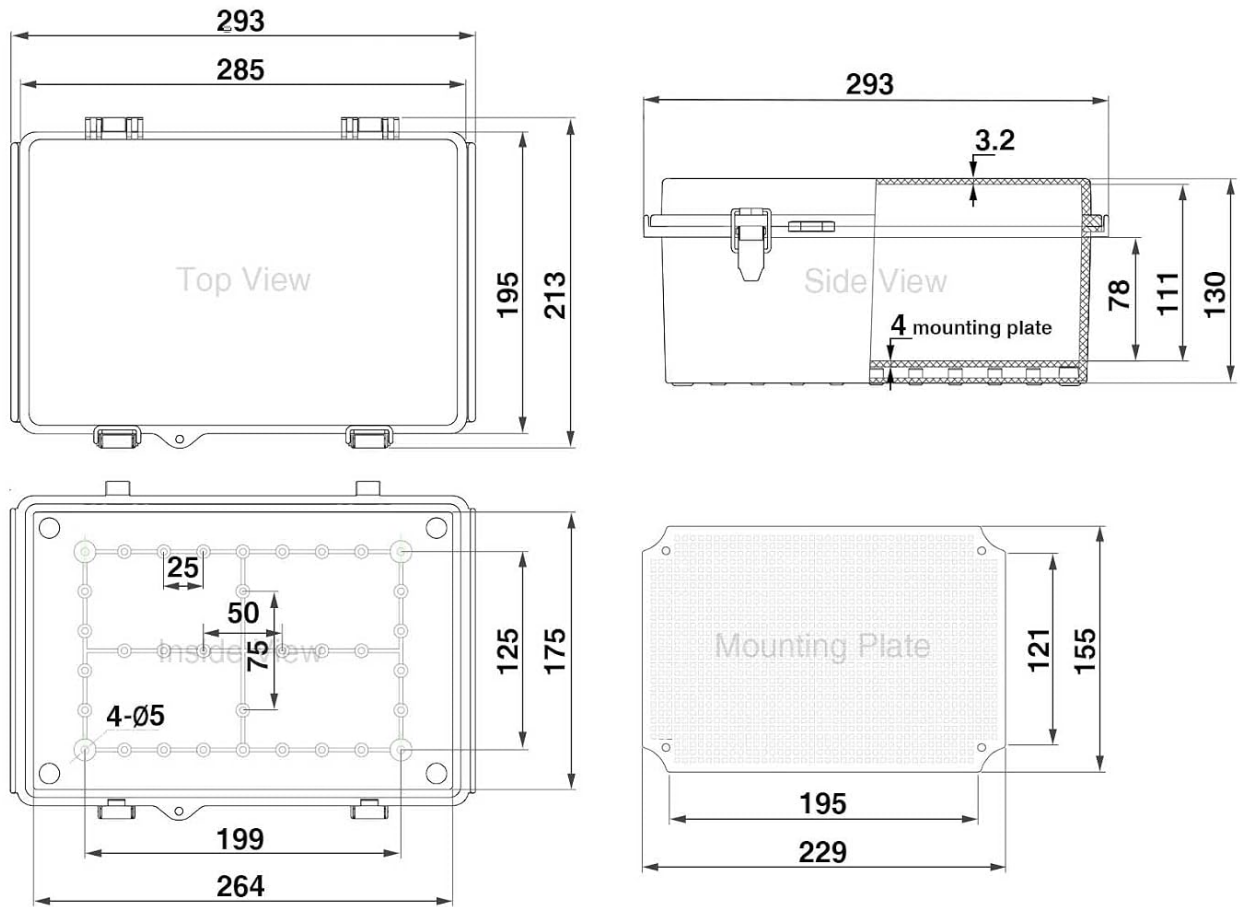
Image: Front view of the QILIPSU IP67 Waterproof Electrical Enclosure, highlighting its robust design.

2. WHAT'S IN THE BOX

- Waterproof Junction Box (1 unit)
- Mounting Plate (1 unit)
- Wall Brackets (4 units)
- Screws (for mounting plate and wall brackets)

More view, less trouble

Internal Dimension



Ensure the Perfect Fit: Before you make the purchase

Please take a moment to double-check the dimensions. This simple step can save you both time and money, preventing the hassle of returns and ensuring you get exactly what you need.

(Dimension Tolerance Range: 2mm)

Image: Components included with the QILIPSU Electrical Enclosure: the main box, a grid-patterned mounting plate, four metal wall brackets, and a set of screws.

3. SPECIFICATIONS

Material	ABS Plastic
Brand	QILIPSU
Color	Grey Cover
Product Dimensions (External)	11.2"D x 7.7"W x 5.1"H (285x195x130mm)
Installation Type	Wall Mount, Pole Mount (pole mount accessories sold separately)
IP Rating	IP67

All Weather • All Secure

Choose Our Junction Boxes for Better Protection

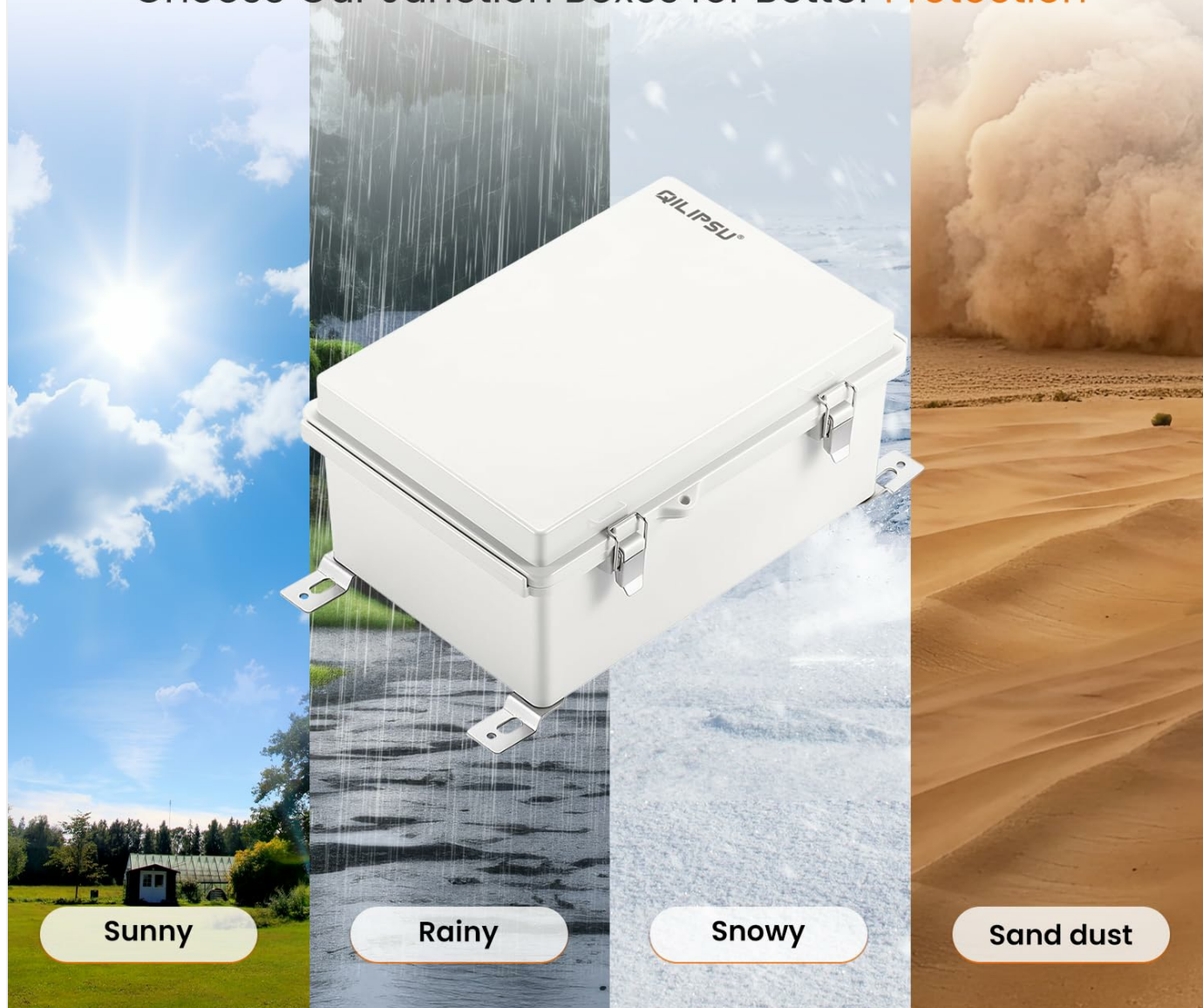


Image: Technical drawing illustrating the top, side, and internal dimensions of the enclosure and its mounting plate. Ensure to verify these dimensions for your specific application.

4. SAFETY INFORMATION

- Always disconnect power before installing or servicing electrical equipment within the enclosure.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- Verify that the enclosure is securely mounted to a stable surface to prevent accidental dislodgement.
- Do not modify the enclosure in a way that compromises its IP67 rating or structural integrity.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.
- If drilling into the enclosure, ensure that no internal components or wiring are damaged. Deburr all drilled holes to maintain the seal integrity.

5. SETUP AND INSTALLATION

The QILIPSU electrical enclosure is designed for straightforward installation. It can be mounted on a wall or pole (pole mounting kits are sold separately).

5.1. Mounting the Enclosure

1. **Select Location:** Choose a suitable location for mounting, considering accessibility, environmental factors, and cable routing.
2. **Mark Drilling Points:** Use the provided wall brackets to mark the drilling points on the mounting surface.
3. **Drill Holes:** Drill pilot holes at the marked points. For masonry or concrete, use appropriate anchors.
4. **Attach Brackets:** Secure the wall brackets to the mounting surface using the provided screws.
5. **Mount Enclosure:** Attach the enclosure to the secured wall brackets. Ensure it is level and firmly in place.

5.2. Internal Equipment Installation

1. **Remove Mounting Plate:** Detach the internal mounting plate from the enclosure.
2. **Install Equipment:** Secure your electrical components (e.g., router, switches) to the mounting plate using appropriate fasteners. The plate is designed for easy drilling and customization.
3. **Route Cables:** Plan and drill entry/exit points for cables. Ensure to use waterproof cable glands (not included) to maintain the IP67 rating.
4. **Reinstall Mounting Plate:** Once equipment and wiring are complete, re-insert the mounting plate into the enclosure.
5. **Close and Seal:** Close the hinged cover and ensure the latches are securely fastened. The integrated rubber seal provides a watertight and dust-tight closure.

We Craft with **Heart** **Shield** Your Devices with Care



Image: An exploded view of the enclosure highlighting the grid mounting plate, water seal, lockable hole, and the durable 304 stainless steel wall brackets and latches.

Video: This video provides a general overview of QILIPSU junction boxes, showcasing various product types and their applications, which can be helpful for understanding the range and features of these enclosures.

6. OPERATION

Once installed, the QILIPSU electrical enclosure operates passively by protecting its contents. The hinged cover allows for easy access to internal components when needed, while the clear cover option (if applicable to your model) allows for visual inspection of status lights without opening the enclosure, preserving its weather seal.

Wider Applications · Greater Opportunities Expand Your Talent Universe



Christmas Lights



Irrigation



Solar Energy



Network



Pool Control



CCTV

Image: The enclosure is depicted enduring various weather conditions, including sun, rain, snow, and sand dust, illustrating its robust IP67 protection.

7. MAINTENANCE

- **Regular Inspection:** Periodically inspect the enclosure for any signs of damage, cracks, or wear, especially on the seals and latches.
- **Cleanliness:** Keep the exterior of the enclosure clean from dirt, debris, and corrosive substances. Use a soft cloth and mild detergent if necessary.
- **Seal Integrity:** Ensure the rubber seal around the cover remains intact and free of debris to maintain its waterproof and dustproof properties. Replace if damaged.
- **Fastener Check:** Periodically check that all mounting screws and latches are tight and secure.

8. TROUBLESHOOTING

- **Water/Dust Ingress:** If moisture or dust is found inside the enclosure, immediately check the integrity of the rubber

seal and ensure the cover latches are fully engaged. Inspect any cable entry points for proper sealing with cable glands.

- **Loose Mounting:** If the enclosure feels loose, re-tighten all mounting screws. If the mounting surface is compromised, consider relocating or reinforcing the mounting area.
- **Difficulty Opening/Closing:** Check for any obstructions around the hinges or latches. Ensure the seal is not pinched or damaged.

9. WARRANTY AND SUPPORT

QILIPSU products are manufactured to high-quality standards. For specific warranty details regarding your electrical enclosure, please refer to the documentation provided with your purchase or contact QILIPSU customer support directly. Our dedicated team is available to assist with any questions or concerns you may have regarding installation, operation, or maintenance of your product.

For support, please visit the official QILIPSU website or use the contact information provided in your product packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question