

GROWATT Split-phase Connector

GROWATT Helios 3600 Portable Power Station Double Voltage Hub Instruction Manual

Model: Split-phase Connector

1. OVERVIEW

The GROWATT Helios 3600 Portable Power Station Double Voltage Hub is designed to link two HELIOS 3600 portable power stations, providing a robust 240V and 7200W AC output. This connector expands the capabilities of your power stations, allowing them to power heavy-load appliances.

Key features include:

- **Double Power:** Combines two HELIOS 3600 units for 240V and 7200W output.
- **Versatile Outlets:** Features 1 NEMA 6-20 outlet and 2 NEMA 14-30 outlets.
- **Portability:** Designed for easy transport and connection.
- **Overload Protection:** Built-in safety features to protect connected appliances and the unit.



Figure 1: Two GROWATT Helios 3600 Portable Power Stations connected via the Double Voltage Hub, illustrating the expanded power capabilities.

2. SAFETY INFORMATION

WARNING: Read all safety instructions before operating this product.

- **Proper Connection:** The Double Voltage Hub cannot be used separately. It must be connected to two (2) HELIOS 3600 power stations to function correctly and double the output power.
- **Ventilation:** Ensure adequate ventilation around the power stations and the hub during operation to prevent overheating.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or wet conditions.
- **Overload Protection:** The unit features overload protection. Do not exceed the specified maximum output wattage.
- **Qualified Personnel:** Installation or connection to home electrical systems (e.g., transfer switches, generator inlet boxes) should only be performed by a qualified electrician in accordance with local electrical codes.

3. WHAT'S IN THE BOX

Upon receiving your GROWATT Helios 3600 Split-phase Connector, please verify that all components are included:

- HELIOS 3600 Split-phase Connector (1 unit)

4. PRODUCT FEATURES & COMPONENTS

The Double Voltage Hub is designed for seamless integration with two GROWATT Helios 3600 Portable Power Stations. It provides a variety of output options for high-power demands.

4.1. Output Ports

- **NEMA 6-20 Outlet:** 1 port for 240V appliances.
- **NEMA 14-30 Outlets:** 2 ports for 240V heavy-load appliances.

4.2. Connectivity

- **Power Station Connection Ports:** Dedicated ports for connecting two HELIOS 3600 power stations.



Figure 2: The GROWATT Helios 3600 Double Voltage Hub connected to two power stations, highlighting the NEMA outlets.

5. SETUP

To set up your GROWATT Helios 3600 Double Voltage Hub, follow these steps:

1. **Prepare Power Stations:** Ensure both HELIOS 3600 Portable Power Stations are fully charged and powered off before connecting the hub.
2. **Connect the Hub:** Align the connectors on the Double Voltage Hub with the corresponding ports on each HELIOS 3600 power station. Securely attach the hub to both units.
3. **Power On:** Once the hub is securely connected to both power stations, power on both HELIOS 3600 units. The system will automatically configure for 240V output.
4. **Connect Appliances:** Plug your 240V heavy-load appliances into the NEMA 6-20 or NEMA 14-30 outlets on the hub.

6. OPERATING

The Double Voltage Hub enables your GROWATT Helios 3600 power stations to operate in a synchronized 240V mode, providing substantial power for various applications.

- **Powering Heavy Loads:** The combined 7200W output is suitable for appliances such as central AC units, electric clothes dryers, pool heat pumps, and stationary woodworking machines.
- **Home Backup:** The system can be integrated into your home's electrical panel via a transfer switch or generator inlet box (professional installation recommended) to provide backup power during outages.
- **RV Use:** The portable nature and high output make it ideal for powering RVs, especially for boondocking or off-grid situations.

Power Almost Anything

Power Heavy Load Appliances,
like Central AC or Electric Clothes Dryers

Capacity
7372Wh

AC Output
7200W

Voltage
240V



Figure 3: The GROWATT Helios 3600 Double Voltage Hub providing power to a washing machine and dryer, demonstrating its capability for heavy-load appliances.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Double Voltage Hub and connected power stations.

- **Cleaning:** Keep the hub and power stations clean and free from dust and debris. Use a dry, soft cloth for

cleaning.

- **Storage:** When not in use, store the hub and power stations in a cool, dry place away from direct sunlight and moisture.
- **Battery Health:** Refer to the individual HELIOS 3600 power station manuals for specific battery maintenance guidelines.

8. TROUBLESHOOTING

If you encounter issues with your Double Voltage Hub, consider the following:

- **No Power Output:** Ensure both HELIOS 3600 power stations are powered on and fully charged. Verify that the hub is securely connected to both units.
- **Overload Indication:** If an overload warning appears, disconnect some appliances to reduce the load. The system may automatically reset after a brief period.
- **Connection Issues:** Check all cable connections between the hub and the power stations for proper seating.

9. SPECIFICATIONS

Feature	Specification
Model Number	Split-phase Connector
Output Voltage (when linked)	240V AC
Max AC Output (when linked)	7200W
NEMA 6-20 Outlets	1
NEMA 14-30 Outlets	2
Special Features	Overload Protection, Portable
Recommended Uses	Camping, Commercial, Residential, Whole House
Package Dimensions	13.8 x 11.8 x 2.1 inches
Item Weight	4.61 pounds

10. WARRANTY AND SUPPORT

The GROWATT Helios 3600 Portable Power Station Double Voltage Hub comes with a 2-3 year warranty, depending on the specific purchase terms and registration.

For technical support, warranty claims, or any inquiries, please contact GROWATT customer service through their official website or the contact information provided with your product packaging.