

# 100W Portable Solar Panel Quick Guide

V1.00

# 1 Packing List

The package contents may vary with device model and version.

No.	Name	Qty	Unit
1	100W portable solar panel	1	PCS
2	User guide	1	Set
3	DC5525 to DC7909 output cable	1	PCS
4	DC7909 to Anderson adapter	1	PCS
5	DC7909 to XT60 adapter	1	PCS

# 2 Specifications

Model	SLP-100W-Series
Maximum power	100W
Operating voltage	18.0V
Operating current	5.55A
Open circuit voltage	21.6V
Short circuit current	6.11A
USB-A output	QC3.0, 5V3A, 9V2A, 12V1.5A, 18W Max
Operating temperature range	-10 ~ 65°C / 14 ~ 149°F
Folded size	598 x 343 mm/23.5 x 13.5 in
Unfolded size	1285 x 598 mm/50.6 x 23.5 in
Weight	4.2kg/9.3lbs
Warranty period	24 months

# 3 Precautions

- Before you use this product, please read the user guide.
- The performance of the solar panel may vary with light intensity, temperature, and tilt angle. Therefore, its charging power may be affected by various factors, such as weather condition, seasonal changes, and placement location.
- Do not bend this product.
- Do not immerse this product in water or any other liquid.

- Do not store or use this product near fire or any heat source.
- Do not scratch this product using a sharp object.
- Do not disassemble this product by yourself.
- Do not place any corrosive substance on this product.
- Do not apply pressure on this product or drop it. It may cause damage and malfunction.
- Dispose of the retired solar panels in accordance with your local laws and regulations.

## 4 FAQ

### 1.Can this solar panel output 100W power?

Normally, solar panels cannot output the maximum power. The following is some useful information about maximizing the output power:

- Light intensity. Use this product under the midday sun, and the output power will be closer to the output power in test conditions. Weather conditions can also affect the amount of light that hits the solar panel. For example, in cloudy, rainy, or foggy weather, it is difficult to output the maximum power.
- Product surface temperature. Temperatures that are too high or too low will affect the output power of this product. In general, at room temperature, the output power will be closer to the maximum power.
- Sunlight radiation angle. The output power is the maximum when the sunlight vertically hits the solar panel surface.
- Occlusions on the solar panel. During use, the solar panel surface should not be blocked by trees, buildings, etc; otherwise, its output power will be greatly affected.

### 2.Is the product waterproof?

This product is IP66 rated and can withstand direct water jets. But, to ensure the lifetime, please keep the product dry.

### 3.How to clean the surface of this product?

You may use a soft brush, damp cotton cloth, etc. to wipe and clean the dust on the surface. If there're bird droppings or other sticky objects on the product surface, please clean it immediately.

## 5 Warranty

2 year limited warranty from the date of purchase (warranty does not cover issues due to improper use, unauthorized disassembly, or natural disaster).

# Disclaimer and Safety Warnings


## Copyright Statement

©2023 HopeTrek Innovations Co.,Ltd. All rights reserved.

No part of this manual may be copied, reproduced, translated or distributed in any form or by any means without prior consent in writing from HopeTrek Innovations Co.,Ltd. (referred to as HopeTrek or us hereafter).

The product described in this manual may contain proprietary software owned by HopeTrek and its possible licensors. Unless permitted by HopeTrek and its licensors, no one is allowed to copy, distribute, modify, abstract, decompile, disassemble, decrypt, reverse engineer, rent, transfer, or sublicense the software in any form or by any means.

## Trademark Acknowledgements

 **HOPETREK** is trademark or registered trademark of HopeTrek.

## Export Compliance Statement

HopeTrek complies with applicable export control laws and regulations worldwide, including that of the People's Republic of China and the United States, and abides by relevant regulations relating to the export, re-export and transfer of hardware, software and technology. Regarding the product described in this manual, HopeTrek asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

## EU Authorised Representative

UNV Technology EUROPE B.V. Room 2945,3rd Floor, Randstad 21-05 G,1314 BD, Almere, Netherlands.

## Privacy Protection Reminder

HopeTrek complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

## About This Manual

- This manual is intended for multiple product models, and the photos, illustrations, descriptions, etc, in this manual may be different from the actual appearances, functions, features, etc, of the product.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
- Despite our best efforts, technical or typographical errors may exist in this manual. HopeTrek cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- HopeTrek reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.

## Disclaimer of Liability

- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purpose, and all statements, information, and recommendations in this manual are presented without warranty of any kind, expressed or implied, including, but not limited to, merchantability, satisfaction with quality, fitness for a particular purpose, and noninfringement.
- To the extent allowed by applicable law, in no event shall HopeTrek's total liability to you for all damages for the product described in this manual (other than as may be required by applicable law in cases involving personal injury) exceed the amount of money that you have paid for the product.
- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. HopeTrek strongly recommends that users take all necessary measures to enhance the protection of network, device, data and personal information. HopeTrek disclaims any liability related thereto but will readily provide necessary security related support.
- To the extent not prohibited by applicable law, in no event will HopeTrek and its employees, licensors, subsidiary, affiliates be liable for results arising out of using or inability to use the product or service, including, but not limited to, loss of profits and any other commercial damages or losses, loss of data, procurement of substitute goods or services; property damage, personal injury, business interruption, loss of business information, or any special, direct, indirect, incidental, consequential, pecuniary, coverage, exemplary, subsidiary losses, however caused and on any theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) in any way out of the use of the product, even if HopeTrek has been advised of the possibility of such damages (other than as may be required by applicable law in cases involving personal injury, incidental or subsidiary damage).

## Safety Warnings

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

### Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting HopeTrek first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

### Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

## Regulatory Compliance

### FCC Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Visit [http://en.uniview.com/Support/Download\\_Center/Product\\_Installation/Declaration/](http://en.uniview.com/Support/Download_Center/Product_Installation/Declaration/) for SDoC.

**Caution:** The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### EMC Directive



This product complies with the European EMC Directive 2014/30/EU.

### WEEE Directive 2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.