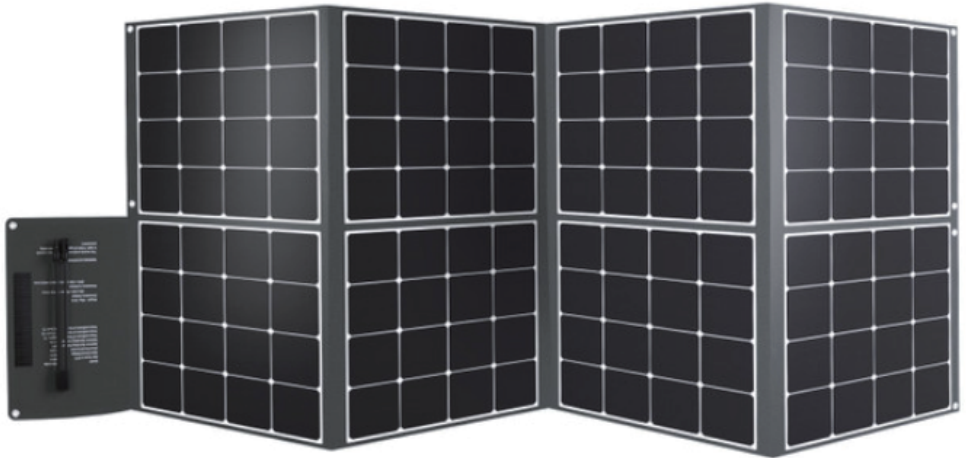


Renogy

400watt Portable Solar Blanket

RSP400SB

VERSION A0



USER MANUAL

Before Getting Started

The User Manual provides important operation and maintenance instructions for Renogy 400watt Portable Solar Blanket (RSP400SB). Please read the User Manual carefully before operation and save it for future reference. Failure to observe the instructions or precautions in the User Manual can result in electrical shock, serious injury, or death, or can damage solar blanket, potentially rendering it inoperable.

- Renogy ensures the accuracy, sufficiency, and the applicability of information in the user manual at the time of printing due to continual product improvements that may occur.
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Symbols Used

The following symbols are used throughout the user manual to highlight important information.




-  **WARNING:** Indicates a potentially dangerous condition which could result in injury or death.
-  **CAUTION:** Indicates a critical procedure for safe and proper installation and operation.
-  **NOTE:** Indicates an important step or tip for optimal performance.

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General Safety Information

WARNING

- DO NOT disassemble the unit or remove any attached components.
- DO NOT puncture, drop, crush, penetrate, shake, strike, or step on unit.
- DO NOT open, dismantle, repair, tamper with, or modify unit.
- DO NOT place the unit on a surface constructed from combustible material.
- DO NOT expose unit to direct flame or heat sources.
- Please keep unit out of reach of children unless supervised by an adult.
- Please keep unit away from explosives and corrosive substance

CAUTION

- DO NOT step, walk, stand or jump on the unit. Localized heavy loads may cause damage on solar cell, which will ultimately compromise the performance of the unit.
- DO NOT bend the unit, or the panel will be broken.
- DO NOT immerse the unit in water.
- Dispose of the unit according to the local recycling and environmental regulations.

Package Contents

- 1 x Renogy 400watt Portable Solar Blanket (RSP400SB)
- 1 x Case
- 1 x User Manual

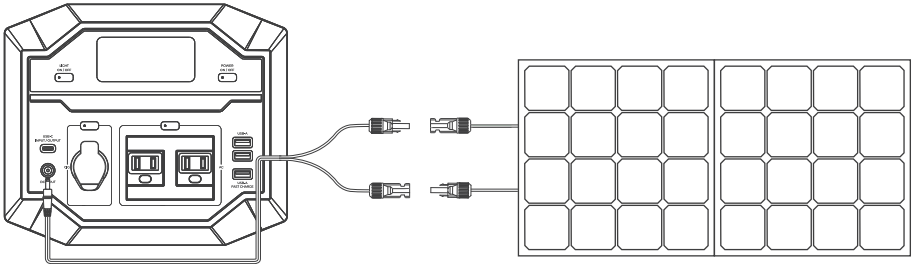
Specifications

General	
Model	RSP400SB
Dimensions (fold)	22 x 21 x 3 in / 559 x 533 x 76 mm
Dimensions (unfold)	101.3x 41.6 x 0.24 in / 2575 x 1058 x 6 mm
Weight	26 lbs. / 12 kg (Approximately)
Operation Temperature	-4°F to 149°F / -20°C to 65°C
Solar Panel	
Max Power at STC	400W
Open-Circuit Voltage	42.3V
Short-Circuit Current	11.8A
Optimum Operating Voltage	36V
Optimum Operating Current	11.1A
Cell Type	Monocrystalline Silicon
Connector	MC4

Operation

How to charge power station

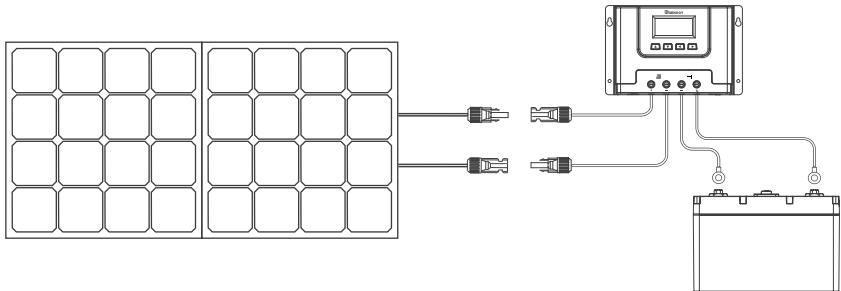
- Place a solar blanket under direct sunlight. Steer clear of objects that can shade the solar panel and slow down the charging process.
- Connect the solar connectors of the solar blanket with the solar charge cable (sold separately), then Connect DC input port of power station.



- i** The solar charge time is highly dependent on the solar irradiance and the ambient temperature.
- i** The operating voltage of the solar blanket shall exceed the minimum DC input voltage of power station, and the open circuit voltage shall NOT exceed the maximum DC input voltage of power station.

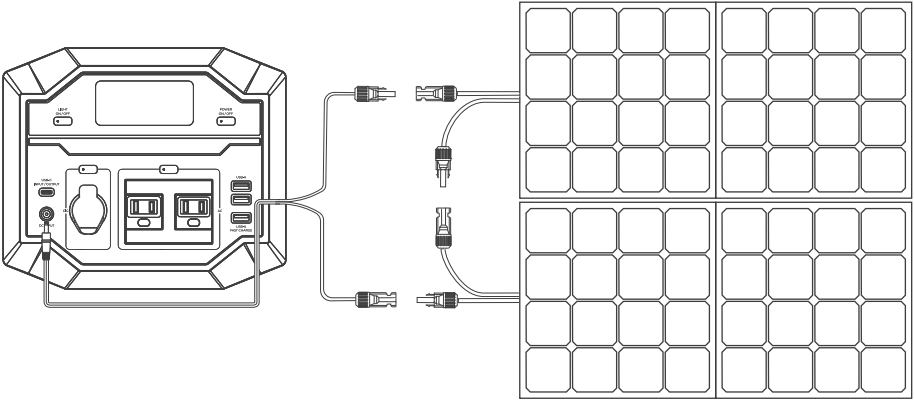
How to charge battery

- Connect solar blanket to the PV Terminals of a charge controller (sold separately.)
- Connect the BATT Terminals of the charge controller to battery using tray cables (sold separately)
- Set the charging parameter on charge controller, solar blanket is ready to charge the battery.

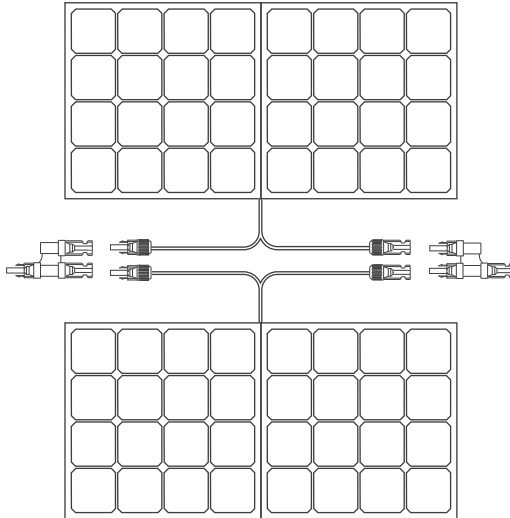


How to connect RSP400SB in series/parallel

- To expand the power output, RSP400SB can be connected either in series or parallel.
- Connect RSP400SB in series.




- Connect RSP400SB in parallel.

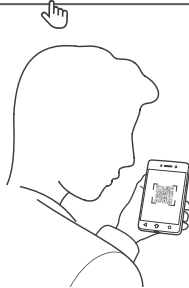


Renogy Support

To discuss inaccuracies or omissions in this quick guide or user manual, visit or contact us at:

 | renogy.com/support/downloads

 → contentservice@renogy.com



Questionnaire Investigation



To explore more possibilities of solar systems, visit Renogy Learning Center at:

 | renogy.com/learning-center

For technical questions about your product in the U.S., contact the Renogy technical support team through:

 | renogy.com/contact-us



1(909)2877111

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Germany |  | de.renogy.com

United Kingdom |  | uk.renogy.com

Other Europe |  | eu.renogy.com

FCC Statement

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.



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Renogy aims to empower people around the world through education and distribution of DIY-friendly renewable energy solutions.

We intend to be a driving force for sustainable living and energy independence.

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Did you know? In a given month, a 1 kW solar energy system will...



Save 170 pounds of coal from being burned



Save 300 pounds of CO₂ from being released into the atmosphere



Save 105 gallons of water from being consumed



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