



400W Compact Mono Portable Solar Suitcase

RSP400LSC-G1

Key Features

Provides you with more power generation in a lighter weight, smaller size, more portable solution.

Empowering the future with advanced mono-perc solar cell technology. With ETFE film and reinforced materials, it provides a durable, long-term, stable and secure source of energy. Light and durable, the compact suitcase 400 W module.

- Constructed with ETFE and reinforced materials
- Easy to set up and put away
- Lighter mass and smaller size
- Up to IP68 waterproof rating
- More durable construction

Potential Uses

Renogy compact Suitcase® portable modules can be used to charge portable energy storage devices, provide power during camping, fishing and other activities.

Also can be used to charge RV life batteries while parked or as a supplement to an existing PV system.



Power Output Warranty



Material and Workmanship Warranty

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Electrical Data

Maximum Power at STC*	400 W
Optimum Operating Voltage (V_{mp})	40.0 V
Optimum Operating Current (I_{mp})	10.0 A
Open Circuit Voltage (V_{oc})	47.2 V
Short Circuit Voltage (I_{sc})	11.0 A
Module Efficiency	16.5 %
Maximum System Voltage	600 VDC UL
Maximum Series Fuse Rating	15 A

Mechanical Data

Solar Cell Type	MONO PERC
Number of Cells	288 (4x18x4)
Size (unfolded)	2838x855x20 mm (111.7x33.7x0.79 in)
Size (folded)	708x855x80mm (27.8x33.7x3.2 in)
Weight	13.7kg (30.2 lbs)
Front Film	ETFE
Connectors	Solar Connectors
Frame	Aluminum (black)

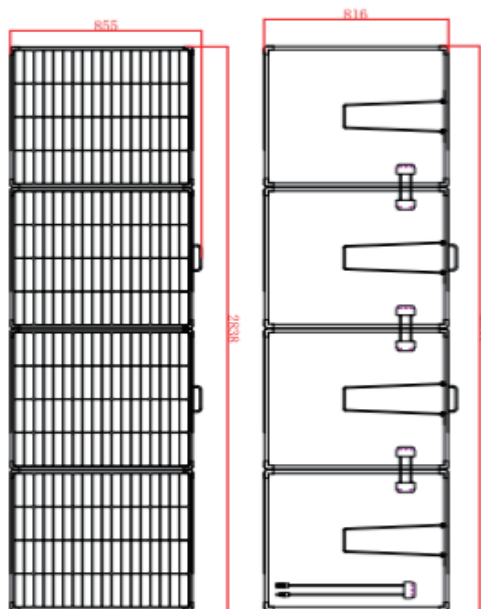
Thermal Characteristics

Operating Temp. Range	-40°C - 85°C (-40°F - 185°F)
Nominal Operating Cell Temperature (NOCT)	48±2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.05%/°C

MC4 Connectors

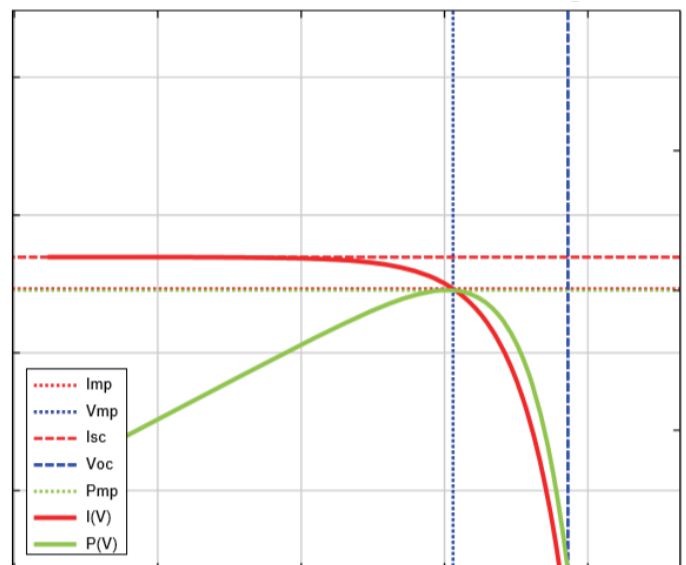
Rated Current	30A
Maximum Voltage	1000V DC
Maximum AWG Size Range	12 AWG
Temperature Range	-40°C - 80°C (-40°F - 176°F)
IP Rating	IP 67

Module Diagram



IV-Curve

RSP400LSC-G1- Characteristics Curve



*All specifications and data described in this data sheet are tested under Standard Test Conditions (STC - Irradiance: 1000W/m², Temperature: 25°C, Air Mass: 1.5) and may deviate marginally from actual values. Renogy and any of its affiliates has reserved the right to make any modifications to the information on this data sheet without notice. It is our goal to supply our customers with the most recent information regarding our products. These data sheets can be found in the downloads section of our website, www.renogy.com