Renogy ShadowFlux 200W Rigid Solar Panel (N-Type)

RSP200DC-ASR-G1

Key Features

ShadowFlux cell-level anti-shading tech and N-Type high efficiency cell, proviedes you with higher module efficiency and more real power generation ;

Empowering the future with advanced N-Type solar cell and ShadowFlux module technology;

ShadowFlux rigid solar panel is more stable, more durable, it provides a long-term stable and secure source of energy.

- ShadowFlux anti-shading tech with excellent performance under partial shading
- N-Type solar cell efficiency higher than 24.8%
- Less weight and size
- Lower temperature coefficient effect
- Up to IP67 waterproof
- No hot spots guaranteed

Potential Uses

Renogy ShadowFlux Rigid solar modules can be used on the canopy of pickup trucks and SUVs to provide power while shading the sun for outdoor activities;

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

25 Years Power Output Warranty

5 Years Material and Workmanship Warranty

Renogy | www.renogy.com | support@renogy.com | 909-287-7111
5050 S. Archibald Ave, Ontario, CA 91762

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Electrical Data

Maximum Power at STC*	200 W
Optimum Operating Voltage(V_{mp})	31.3 V
Optimum Operating Current(I_{mp})	6.38 A
Open Circuit Voltage(V_{oc})	36.5 V
Short Circuit Voltage(I_{sc})	6.86 A
Module Efficiency	20.7 %
Maximum System Voltage	1000 VDC
Maximum Series Fuse Rating	15 A

Mechanical Data

Solar Cell Type	Monocrystalline high efficiency
Number of Cells	52 (4 x 13)
Dimensions	1262*764*30mm(49.69*30.08*1.18in)
Weight	10.81kg(23.83n)
Front Glass	Tempered Glass 0.13 in (3.2 mm)
Frame	Anodized Aluminium Alloy
Connectors	Solar Connectors
Fire Performance	Type Ⅰ

Thermal Characteristics

Operating Temp Range	-40ºC-85ºC(-40°F-185°F)
Nominal Operating Cell Temperature (NOCT)	45±2ºC
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°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	- 40ºC - 85ºC(-40°F-185°F)
IP Rating	IP 68

Junction Box

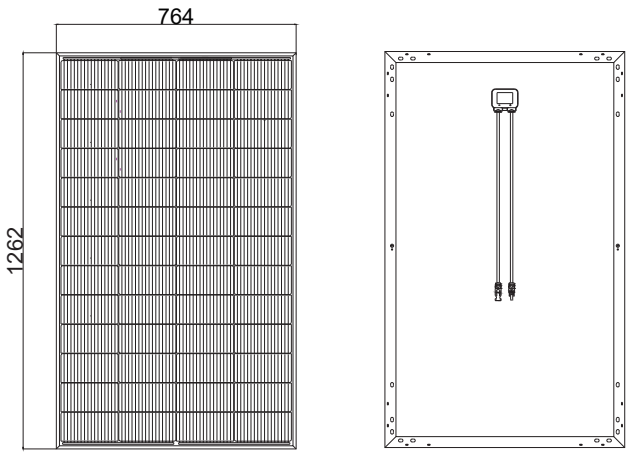
IP Rating	IP 67
Output Cables	14 AWG 600mm (23.6 in)

Certifications

EN IEC61730
EN IEC61215

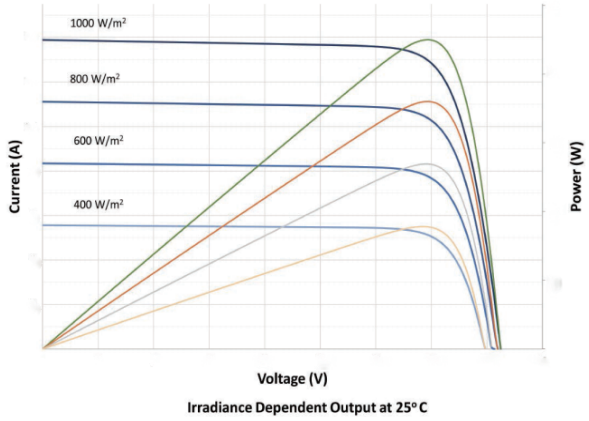
ISO 9001:
Quality Management System

Module Diagram



IV-Curve

RSP200DC-ASR-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