RENOGY

RNG-320D-H

320W Monocrystalline Solar Panel

Key Features

The Renogy 320 Watt 24 Volt Monocrystalline Solar Panel is the first step to converting your house from an energy dependant home to a energy producing location.

- High module conversion efficiency
- Top ranked PTC rating
- Quick and inexpensive mounting
- 100% EL testing on all Renogy modules
- No hot spots guaranteed

25 Years — Power Output Warranty

10 Years — Material and Workmanship Warranty

Renogy | www.renogy.com | support@renogy.com | 909-287-7111
2775 E. Philadelphia St, Ontario, CA 91761

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Electrical Data

Maximum Power at STC*	320 W
Optimum Operating Voltage (V_{mp})	33.30 V
Optimum Operating Current (I_{mp})	9.61 A
Open Circuit Voltage (V_{oc})	40.10V
Short Circuit Current (I_{sc})	10.14 A
Module Efficiency	19.3%
Maximum System Voltage	1000 VDC UL
Maximum Series Fuse Rating	30 A

Mechanical Data

Solar Cell Type	Monocrystalline (6.25 x 6.25 in)
Number of Cells	120 [2 x (6 x 10)]
Dimensions	65.9 x 39.1 x 1.38 in (1675 x 992 x 35 mm)
Weight	40.8 lbs (18.5 kg)
Front Glass	Tempered Glass 0.13 in (3.2 mm)
Frame	Anodized Aluminium Alloy
Connectors	T4 Series
Fire Rating	Type 1

Thermal Characteristics

Operating Module Temperature	-40ºC to +85ºC
Nominal Operating Cell Temerature (NOCT)	41±3ºC
Temperature Coefficient of Pmax	-0.37%/ºC
Temperature Coefficient of Voc	-0.29%/ºC
Temperature Coefficient of Isc	0.05%/ºC

T4 Connectors

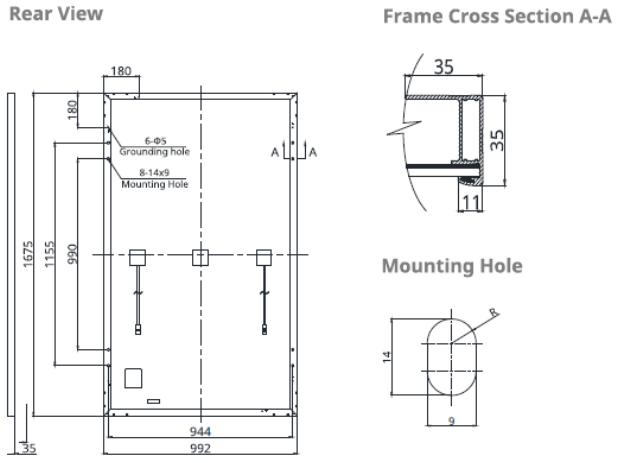
Rated Current	32A
Maximum Voltage	1000VDC
Maximum AWG Size Range	10 AWG
Temperature Range	-40ºF to 194ºF
IP Rating	IP 68

Junction Box

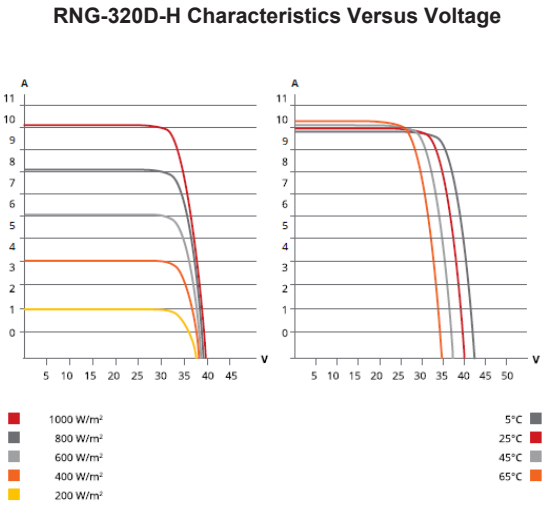
IP Rating	IP 68
Number of Diodes	3 Diode(s)
Output Cables	12 AWG (3.81 ft long)

Certifications

Module Diagram



IV-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

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