

RNG-50DB-H

RNG-100DB-H

RSP100DL-36

RSP200DB-72

The Renogy Flexible Solar Panel Collection is comprised of unique panels that perfectly blend rugged durability with convenient, lightweight, low profile design. They are an excellent addition to any off-grid/mobile application, being some of the most convenient and reliable solar panels on the market.

## FLEXIBLE

These flexible panels can bend up to 240 degrees, allowing them to conform to unique, curved surfaces for a wide variety of applications. The design is sleek and low-profile.

## LIGHTWEIGHT

The lightweight, low-profile design of these panels makes storage, transport, and setup a breeze. They can come with you anywhere!

## EFFICIENT

High-efficiency monocrystalline solar cells offer greater power output per surface area, and the built in kick-stand allows users to optimize the angled position to capture the most sunlight.

## DURABLE

These rugged panels feature a protective substrate and laminate that protects them from the harshest conditions. They can withstand 2400 Pa of wind, 5400 Pa of snow, and they are waterproof!

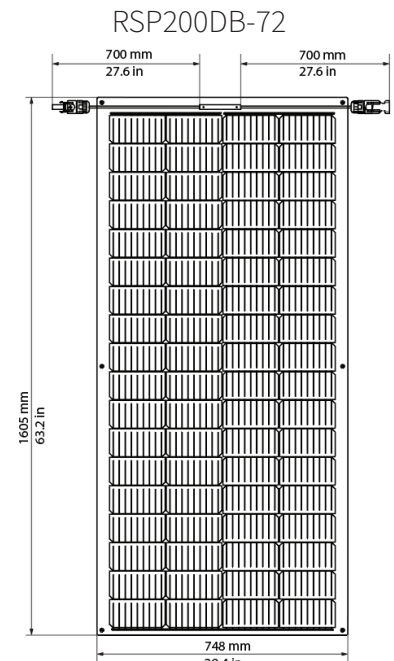
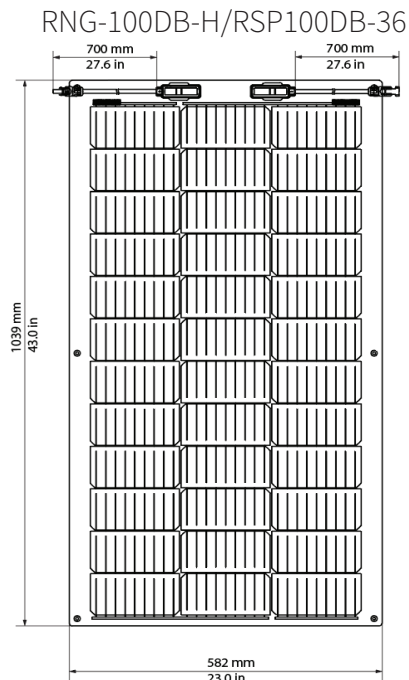
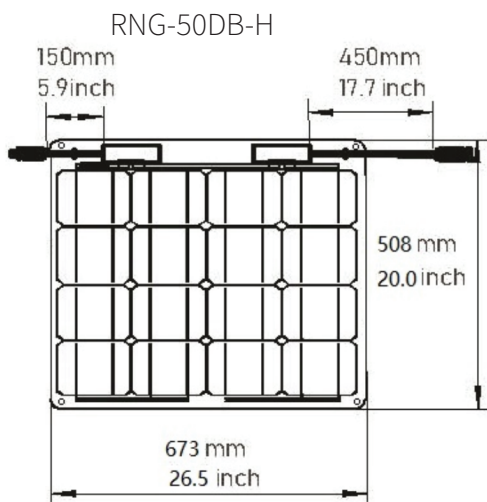
## SAFE

The built-in diode prevents reverse-current flow from the battery to the solar panels when there is no sun exposure.

## READY TO GO

These panels come with pre-drilled holes for a quick and easy installation. Other mounting methods include industrial adhesive, and even velcro (for more temporary/stationary applications).

Electrical Data	RNG-50DB-H	RNG-100DB-H	RSP100DL-36	RSP200DB-72
Max. Power at STC	50 W (±3%)	100 W (±3%)	100 W (±3%)	200 W (±3%)
Optimum Operating Voltage (Vmp)	20.3 V	20.7 V	19.4 V	20.1 V
Optimum Operating Current (Imp)	2.47 A	4.84 A	5.20 A	10.0 A
Open-Circuit Voltage (Voc)	24.3 V	24.4 V	23.5 V	23.9 V
Short-Circuit Current (Isc)	2.75 A	5.29 A	5.51 A	10.7 A
Maximum Series Fuse Rating	15 A	15 A	15 A	15 A
Module Efficiency	18.40%	19.54%	20.07%	18.24%
Cell Efficiency	>22%	>22%	>22%	>22%
Mechanical Data	RNG-50DB-H	RNG-100DB-H	RSP100DL-36	RSP200DB-72
Dimensions	712 x 460 x 4 mm (28.0 x 18.1 x 0.16 in)	1039 x 582 x 20.5 mm (43.0 x 23.0 x 0.80 in)	1039 x 582 x 20.5 mm (43.0 x 23.0 x 0.80 in)	1605 x 748 x 3 mm (63.2 x 29.5 x 0.12 in)
Weight	1.4 kg (3.0 lbs)	2.4 kg (5.3 lbs)	2.4 kg (5.3 lbs)	4.9 kg (10.8 lbs)
Solar Cell Type	Monocrystalline	Monocrystalline	Monocrystalline	Monocrystalline
Solar Cell Cut	166 x 41.5 mm	166 x 83 mm	166 x 83 mm	166 x 83 mm
Solar Cell Configuration	4 x 9	3 x 12	3 x 12	4 x 9
Connector	Solar Connector (IP 67)	Solar Connector (IP 67)	Solar Connector (IP 67)	Solar Connector (IP 68)
Junction IP Rating	IP 68	IP 68	IP 67	IP 67
Output Cables	12 AWG 450 mm [+], 150 mm [-] (17.7 in [+], 5.9 in [-])	12 AWG 700 mm (27.6 in)	12 AWG 700 mm (27.6 in)	10 AWG 700 mm (27.6 in)
Frame	White	White	Black	White



Certifications:

