



# Renogy Lightweight ETFE Solar Panel

**RNG-100DX-H**

## Key Features

- **ETFE Surface** The molecules that composes the ETFE polymer are chemically very stable and therefore can withstand high levels of thermal stress and chemical aggression. It is also a self-cleaning material with high UV permeability, which makes it great material for solar panel.
- **Ultra Lightweight** Thanks to advanced polymer materials, this product weighs 70% less than conventional solar panels, making transportation and installation a breeze.
- **Highly Durable** Rigorously tested, the panel was designed to withstand extreme wind of up to 2400 Pa and snow loads of up to 5400 Pa.



Power Output Warranty



Material and Workmanship  
Warranty

## Potential Uses



Boat / Yacht



RV / VAN



Home / Cabin

# Renogy

## 100W 12V Lightweight ETFE Solar Panel

RNG-100DX-H

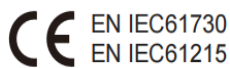
### Electrical Data

Maximum Power ( $P_{max}$ )	100 W
Maximum Power Voltage ( $V_{mp}$ )	20.3 V
Maximum Power Current ( $I_{mp}$ )	4.93 A
Open-circuit Voltage ( $V_{oc}$ )	24.3 V
Short-circuit Current ( $I_{sc}$ )	5.41 A
Operating Temperature ( $^{\circ}C$ )	-40 $^{\circ}C$ to +80 $^{\circ}C$
Maximum System Voltage	600V DC
Maximum Series Fuse Rating	15A
Application Class	Class A

### Mechanical Data

Product	RNG-100DX-H
Solar Cell	Monocrystalline cells
No. of Cells	36(4x9)
Module Dimensions	46.7x21.1x1.4in (1185x535x35mm)
Weight	3 kg
Backsheet	White
Output Cables	cable 2.5mm <sup>2</sup> , (+)700/(-)700mm
Connector	MC4 Connectors

### Certifications



ISO 9001:  
Quality Management System

### IV-Curve

RNG-100DX-H Characteristics Versus Voltage

