LED TRAIL
Save Energy | Save Money

RENOGY X

Residential Modules
405W/450W
Version 1 - Published 05/01/2023

Key Features

- **Monocrystalline Panels** – Features substantial conversion efficiency and power output.

- **PERC Silicon Solar Cells** – Provides both cost savings and overall better power output performance.

Additional Features:

- 100% EL testing on all modules

- No hot spots, guaranteed

- Top ranked PTC (Production Tax Credit) rating

- Quick and inexpensive mounting

- **10 Year** – Material and workmanship warranty

- **25 Year** – Power output warranty

Key Partners

goodleap   MOSAIC   DIVIDEND   GreenSky

Technical Specifications

	Renogy X 405W	Renogy X 450W
Model Number	RSP405D-BB-120	RSP450D-BB-120
	RSP405D-BB-108	RSP450D-BB-108
Eletrical Data		
Max. Power at STC	405W	450W
Optimum Operating Voltage	31.09V	34.67V
Optimum Operating Current	13.02A	12.98A
Open Circuit Voltage (Voc)	37.31V	34.67V
Short Circuit Current (Isc)	13.87A	13.89A
Module Efficiency	20.5%	20.8%
Max System Voltage	1500 VDC	1500 VDC
Max Series Fuse Rating	25A	25A
Mechanical Data		
Solar Cell Type	PERC Monocrystalline (7.2 x 3.6 in)	PERC Monocrystalline (7.2 x 3.6 in)
Number of Cells	108 (6 x 18), 60 cells in series	120 (6 x 20), 60 cells in series
Dimensions	67.8" x 44.7" x 1.4"	75.2" x 44.6" x 1.4"
Weight	47.4 lbs.	52.7 lbs.
Front Glass	Tempered Glass 0.13"	Tempered Glass 0.13"
Frame	Anodized Aluminum Alloy	Anodized Aluminum Alloy
Connector	Solar Connector	Solar Connector
Fire Rating	Class C	Class C
Thermal Data		
Operating Temp. Range	-40F to 185F	-40F to 185F
Temp Coefficient of Pmax	-0.35 %/C	-0.35 %/C
Temp Coefficient of Voc	-0.26 %/C	-0.26 %/C
Temp Coefficient of Isc	0.048 %/C	0.05 %/C
Junction Box		
Protection Degree	-40F to 185F	-40F to 185F
Diode	-0.35 %/C	-0.35 %/C
Number of Diodes	-0.26 %/C	-0.26 %/C
Output Cables	0.048 %/C	0.05 %/C
MC4001 - Solar Connectors		
Rated Current	35A	35A
Maximum Voltage	1500 VDC	1500 VDC
Maximum AWG Size	10 AWG	10 AWG
Operating Tempatures	-40°F to 185°F	-40°F to 185°F
IP Rating	IP65 / IP 68 (1m, 1h)	IP65 / IP 68 (1m, 1h)
Certifications		
EN IEC61730	Yes	Yes
EN IEC61215	Yes	Yes
ISO 9001: QMS	Yes	Yes
ETL, UL61730	Yes	Yes