

xantrex™ SOLAR MAX

FLEX PANEL DATASHEET

AVAILABLE IN:

110W
110W Slim
220W
330W



PEEL & STICK PREMIUM FLEXIBLE PANELS

With over 2,000 points of contact per cell, the Xantrex Solar Max panels are precision-engineered to ensure long-lasting performance in the toughest weather conditions. The mesh-grid technology combined with monocrystalline PERC cells provides superior durability, reliability, and performance compared to traditional busbar technology. Subjected to extreme environmental and accelerated life cycle testing beyond regulatory standards, Solar Max was tested to be 50X more durable and can harvest up to 20% more energy than a standard flexible panel.

The Xantrex Solar Max panels leverage peel-and-stick 3M adhesive tape, which allows for a fast, easy, tool-less, and ultra-secure drill-less mounting solution.



State-of-the-Art Mesh-Grid Technology



20% Energy Output Advantage vs Standard Flex Panels



Ultra Durable, Reliable, and Weather-Resistant



Peel-and-Stick Installation

APPLICATIONS:



5 YEAR
PRODUCT WARRANTY

5 YEAR
PEAK POWER OUTPUT
WARRANTY

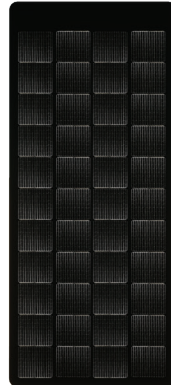
MC4-TYPE CONNECTOR



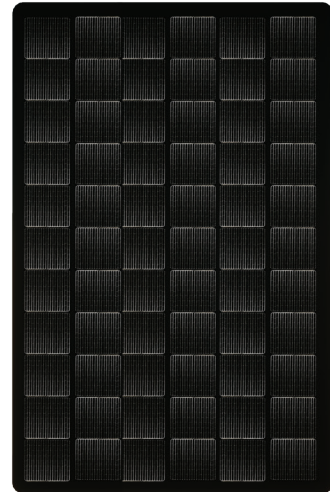
110W Xantrex Solar Max Flex Panel



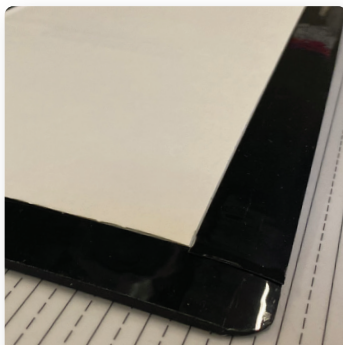
110W Xantrex Solar Max Flex Slim Panel



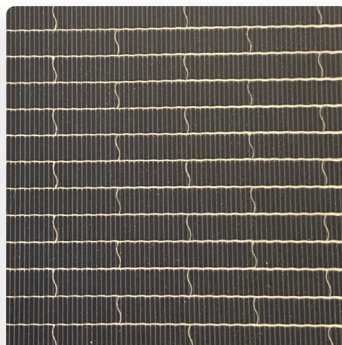
220W Xantrex Solar Max Flex Panel



330W Xantrex Solar Max Flex Panel



Two layers of 3M tape - provides a fast, easy, drill-less peel-and-stick adhesive solution to securely fasten your panel over a wide temperature range.



Unique mesh-grid technology combined with mono-PERC cells provides superior durability, reliability, and efficiency compared to traditional busbar technology.



MC4-type connector

COMPLETE YOUR SOLAR SYSTEM



MPPT Charge Controller 30A
710-3024-01



PWM Charge Controller 30A
709-3204-01



Solar & Battery Cable Starter Kit
708-0150

RECOMMENDED POWER SOLUTIONS

COMPLETE YOUR ELECTRICAL SYSTEM



FREEDOM XC PRO INVERTER/CHARGER



FREEDOM XC INVERTER/CHARGER



FREEDOM SW INVERTER/CHARGER

ELECTRICAL DATA

PANEL TYPE	110W	110W Slim	220W	330W
Part Number	784-0110	784-0110S	784-0220	784-0330
Maximum power-Pmax (W) at STC*	110	110	220	330
Maximum power voltage-Vmp (V)	24.6	24.6	24.6	36.9
Maximum power current-Imp (A)	4.5	4.5	9.0	9.0
Open circuit voltage-Voc (V)	29.2	29.2	29.2	43.8
Short-circuit current-Isc (A)	4.8	4.8	9.7	9.7
Maximum system voltage (V)	600V	600V	600V	600V

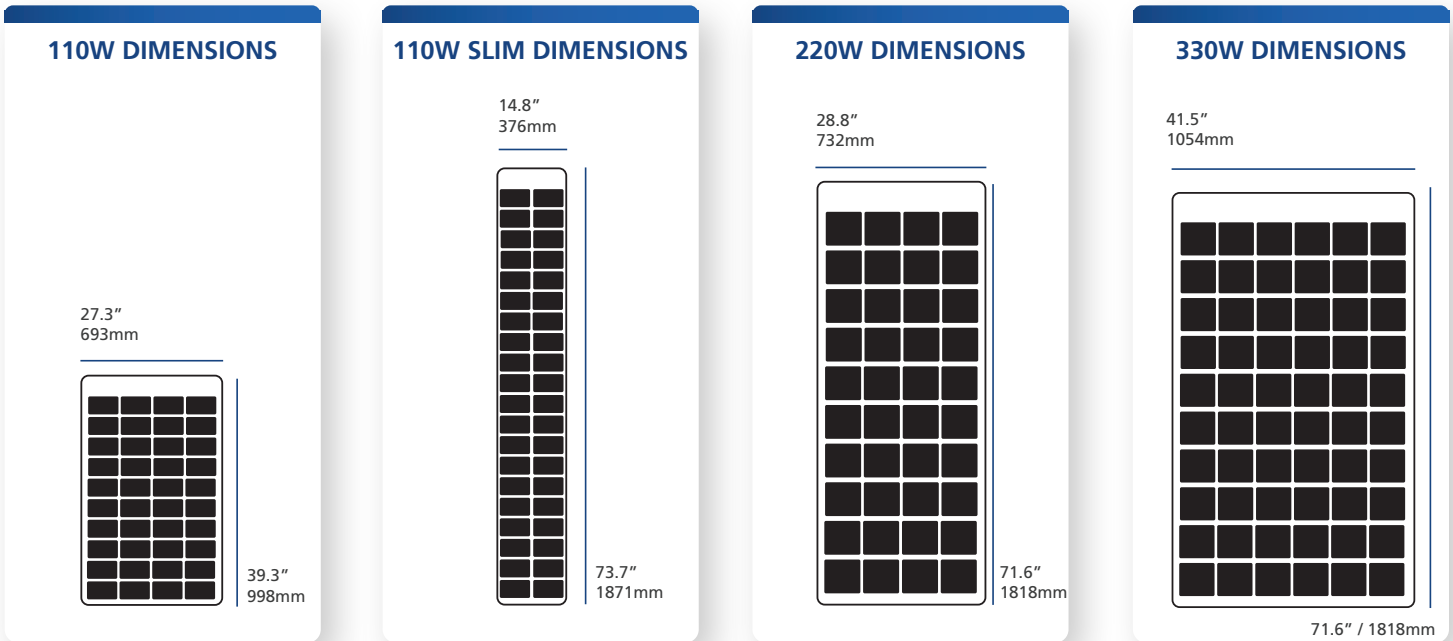
*Standard Test Conditions (STC): Irradiance: 1000W/m², Cell Temperature: 25°C, Air Mass: 1.5

MECHANICAL DATA

PANEL TYPE	110W	110W Slim	220W	330W
Cell type	Mono-Crystalline PERC	Mono-Crystalline PERC	Mono-Crystalline PERC	Mono-Crystalline PERC
Top-layer	ETFE	ETFE	ETFE	ETFE
Junction box	IP67 rated	IP67 rated	IP67 rated	IP67 rated
Connector	MC4 - type	MC4 - type	MC4 - type	MC4 - type
Number of cells	42 (6 x 7)	44 (4 x 11)	44 (4 x 11)	66 (6 x 11)
Weight	6.0lbs (2.7kg)	6.1 lbs (2.8kg)	11.6 lbs (5.3 kg)	16.7 lbs (7.6 kg)
Dimensions	39.3in x 27.3in x 0.08in 998mm x 693mm x 2mm	73.7in x 14.8in x 0.08in 1871mm x 376mm x 2mm	71.6in x 28.8in x 0.08in 1818mm x 732mm x 2mm	71.6in x 41.5in x 0.08in 1818mm x 1054mm x 2mm

TEMPERATURE DATA

PANEL TYPE	110W	110W Slim	220W	330W
Operating temperature	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Temperature coefficients of Pmax	-0.39%/ °C	-0.39%/ °C	-0.39%/ °C	-0.39%/ °C
Temperature coefficients of Voc	-0.30%/ °C	-0.30%/ °C	-0.30%/ °C	-0.30%/ °C
Temperature coefficients of Isc	+0.06%/ °C	+0.06%/ °C	+0.06%/ °C	+0.06%/ °C



SOLAR MAX FLEX PANELS

Mfg Part #	Description
784-0110	110W Xantrex Solar Max Flex Panel
784-0110S	110W Xantrex Solar Max Flex Slim Panel
784-0220	220W Xantrex Solar Max Flex Panel
784-0330	330W Xantrex Solar Max Flex Panel

CHARGE CONTROLLERS

Mfg Part #	Description
C12	C Series PWM 12A
C35	C Series PWM 35A
C40	C Series PWM 40A
C60	C Series PWM 60A
709-3024-01	Xantrex Solar PWM 30A Charge Controller
710-3024-01	Xantrex Solar MPPT 30A Charge Controller
710-0010	MPPT Remote Panel

ACCESSORIES

Mfg Part #	Description
708-0030	PV Extension Cables (15')
708-0040	PV Single Connector (1 Pair)
708-0050	PV Branch Connector (1 Pair)
708-0060	PV Connector Assembly Tool
708-0080	Remote Battery Temperature Sensor
708-0090	Roof Entry Cable Plate
708-0150	Solar & Battery Cable Starter Kit