

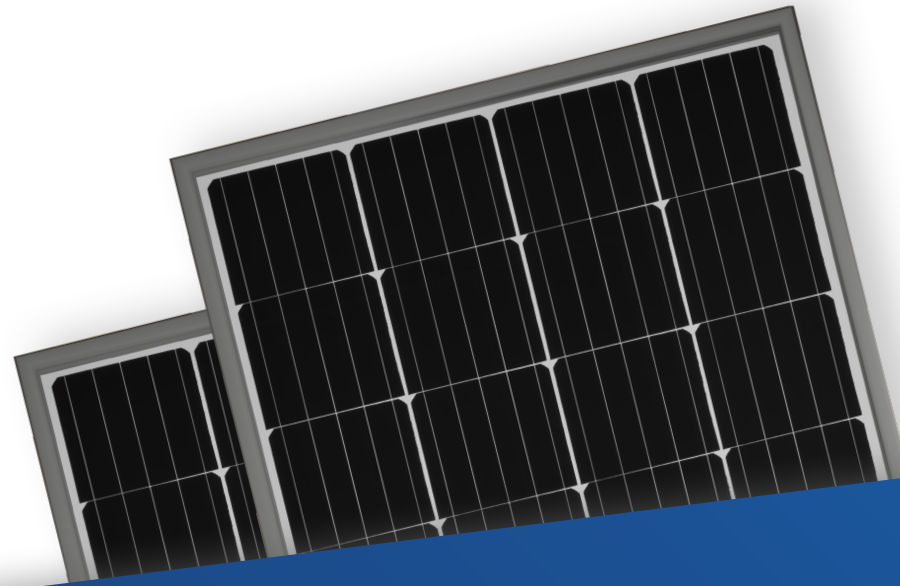
xantrex™ SOLAR

DATASHEET

AVAILABLE IN:

100W

160W



POWERFUL, RUGGED, EXTREME VIBRATION-TESTED

The Xantrex Solar 100W and 160W panels are powerful, rugged, and dependable. With the frame and mounting brackets designed specifically for vehicle-use, the panels are extreme vibration-tested to ensure it can withstand even the most rocky and mountainous vehicle road travel with no power loss. The panels feature monocrystalline cells with PERC technology that are up to 12% more efficient than conventional solar cells.



Monocrystalline Cells, PERC Technology



Safety Certified to UL-1703 & CAN/ULC- ORD-C1703



Rugged Design, Extreme-Vibration Tested

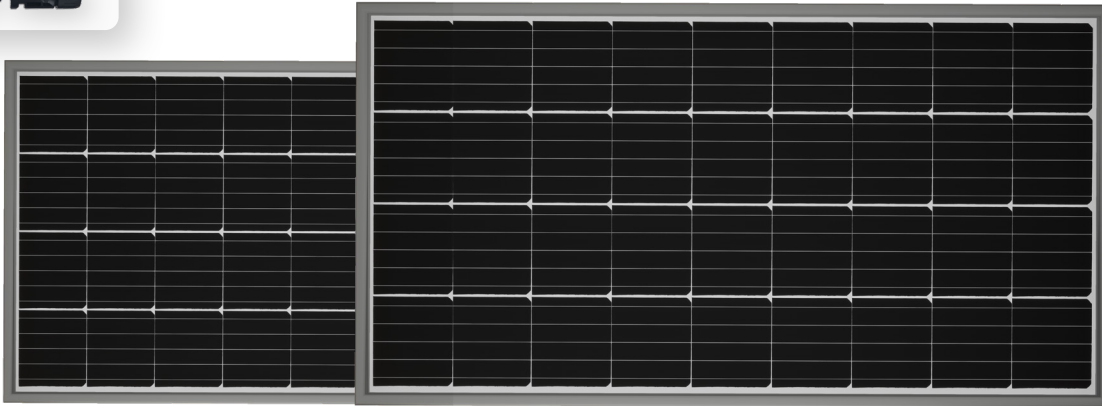
APPLICATIONS:



5 YEAR
PRODUCT WARRANTY

25 YEAR
PEAK POWER
OUTPUT WARRANTY

MC4-TYPE CONNECTOR



100W & 160W XANTREX SOLAR PANEL

COMPLETE YOUR SOLAR SYSTEM



MPPT Charge Controller 30A
710-3024-01



PWM Charge Controller 30A
709-3024-01



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	100W Rigid	160W Rigid
Maximum power-Pmax (W) at STC*	100	160
Maximum power voltage-Vmp (V)	19.2	19.2
Maximum power current-Imp (A)	5.21	8.34
Open circuit voltage-Voc (V)	23.0	23.0
Short-circuit current-Isc (A)	5.51	8.70
Maximum system voltage (V)	600	600
Maximum series fuse rating (A)	10	10

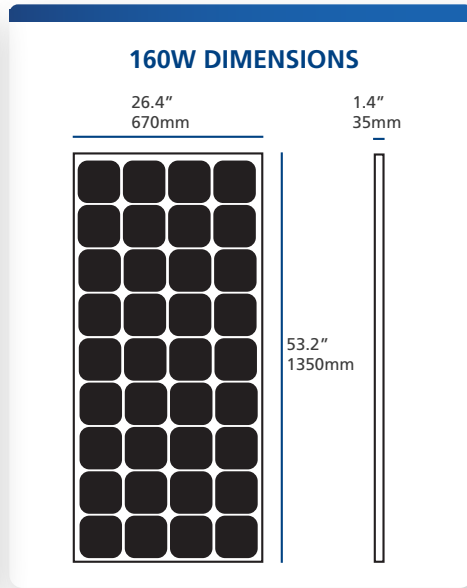
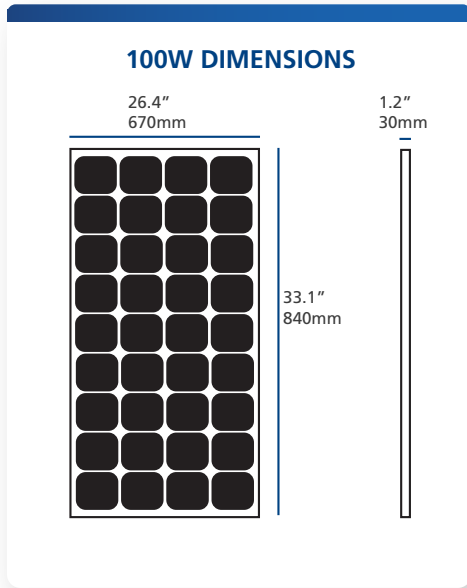
*Standard Test Conditions (STC): Irradiance: 1000W/m², Cell Temperature: 25°C, Air Mass: 1.5

MECHANICAL DATA

PANEL TYPE	100W Rigid	160W Rigid
Cell type	Monocrystalline PERC	Monocrystalline PERC
Junction box IP rating	IP67	IP67
Connector type	MC4 - type	MC4 - type
Glass	3.2mm high transmission, low iron, tempered glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized aluminum alloy	Anodized aluminum alloy
Number of cells	36 (4 x 9)	36 (4 x 9)
Weight	15.0lbs (6.8kg)	23.2lbs (10.5kg)
Dimensions	33.1in x 26.4in x 1.2in 840mm x 670mm x 30mm	53.2in x 26.4in x 1.4in 1350mm x 670mm x 35mm

TEMPERATURE DATA

PANEL TYPE	100W Rigid	160W Rigid
Operating temperature	-40°C to +85°C	-40°C to +85°C
Temperature coefficients of Pmax	-0.40%/°C	-0.40%/°C
Temperature coefficients of Voc	-0.50%/°C	-0.50%/°C
Temperature coefficients of Isc	+0.08%/°C	+0.08%/°C



SOLAR PANELS

Mfg Part #	Description
780-0100	100W Xantrex Solar Panel
780-0160	160W Xantrex Solar 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