

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

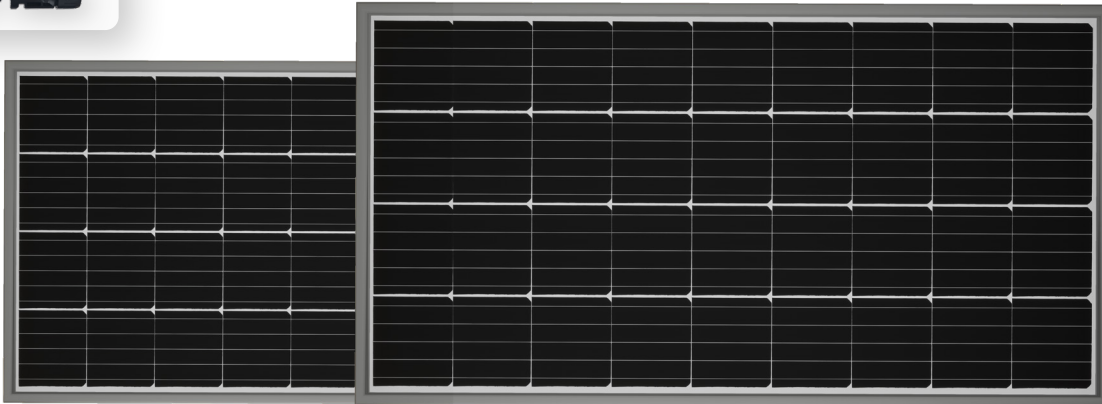
APPLICATIONS:



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 |

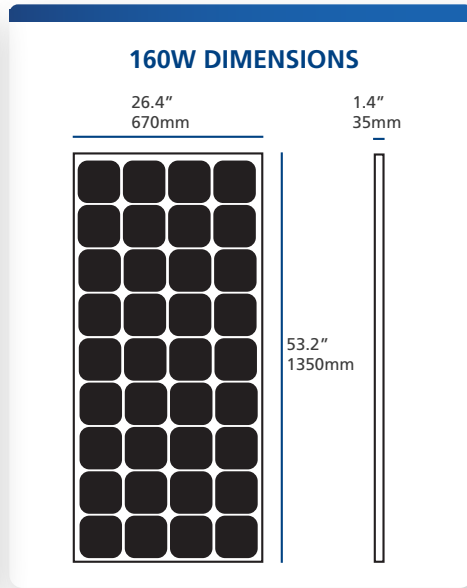
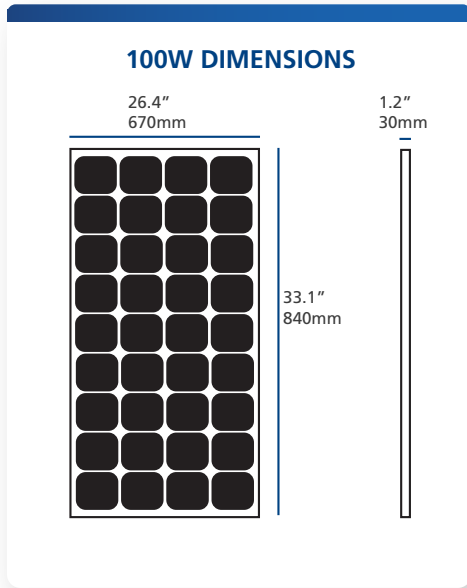
*Standard Test Conditions (STC): Irradiance: 1000W/m², Cell Temperature: 25°C, Air Mass: 1.5

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 |