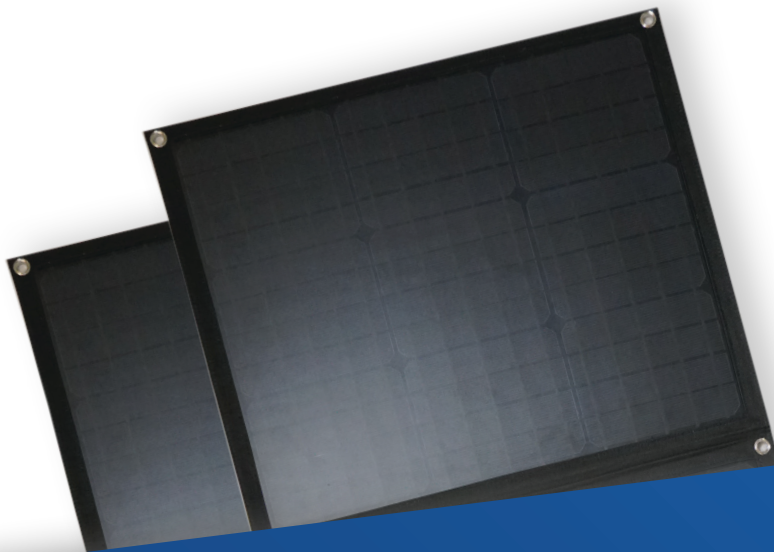


# xantrex™ SOLAR

## PORTABLE FLEX KIT DATASHEET



AVAILABLE IN:  
**100W**

## SLEEK, LIGHTWEIGHT, POWER ON THE GO

The Xantrex Solar 100W portable flex kit features an incredibly lightweight and compact solution. The panel is half the weight and a quarter the size of most 100W portable kits in the market today.

The solar kit includes a 10A charge controller and system hardware that is designed as a plug-n-play charging solution. Users have the ability to connect to their batteries using ring terminals, battery clamps, or an SAE connector for pre-wired RV solar ports. The charge controller and adapter cables are stored in a built-in storage pouch. Adjustable tilting legs allow the user to orient their panels at the perfect angle towards the sun. These portable kits fold into an easy-to-store location and is ideal for applications where it may be impractical to have a permanently mounted solar panel.

**50%**  
LIGHTER\*

**25%**  
THE SIZE\*

**5 BUSBAR**  
TECHNOLOGY \*\*

\*compared to a most 100W portable kits in the market today

\*\*Most brands use 2-4 busbars, more busbars means better efficiency & durability

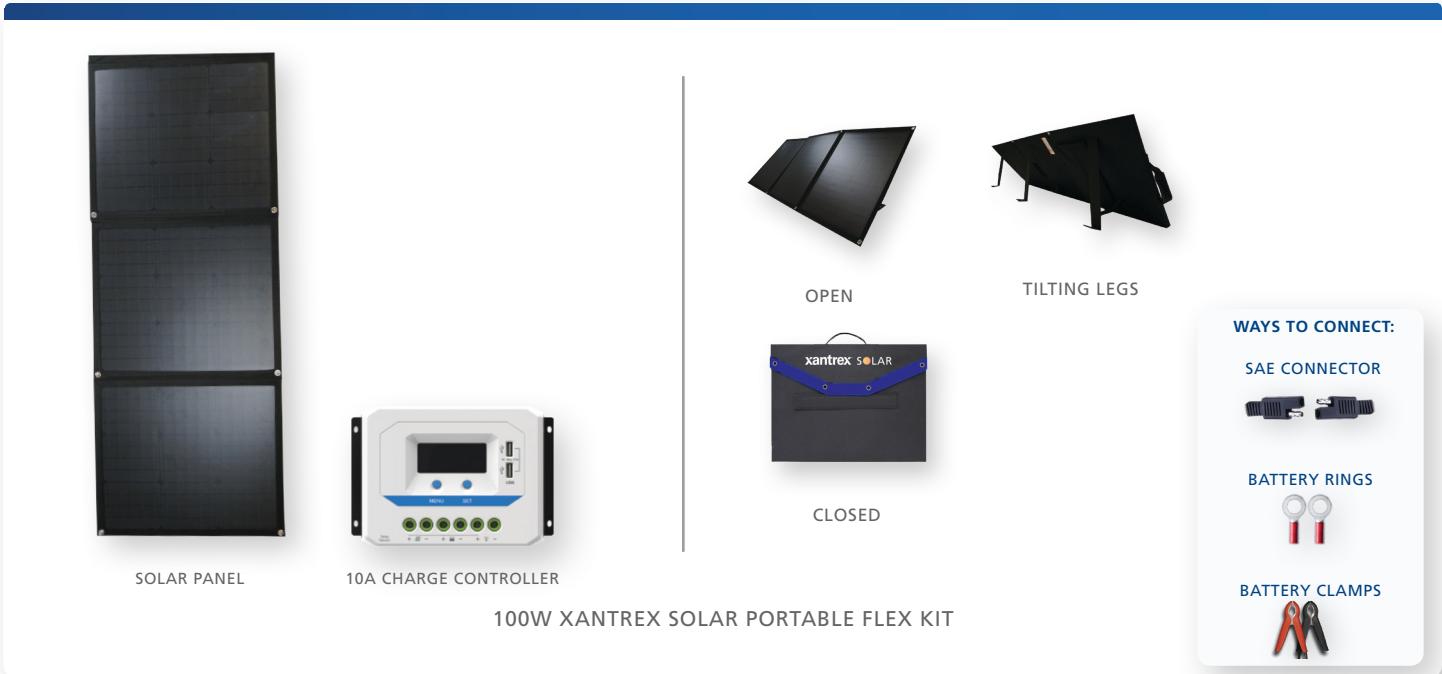
### APPLICATIONS:



**1 YEAR**  
WARRANTY\*

\*WARRANTY ON PANEL CONSTRUCTION

# WHAT'S INCLUDED



SOLAR PANEL

10A CHARGE CONTROLLER

100W XANTREX SOLAR PORTABLE FLEX KIT

**WAYS TO CONNECT:**

**SAE CONNECTOR**



**BATTERY RINGS**



**BATTERY CLAMPS**



## CONTENTS

### Solar Panel

- A 100W solar panel featuring 5 busbar mono-crystalline cells.

### Charge Controller

- A 10A Pulse-Width Modulation (PWM) charge controller is provided to charge and protect your batteries. Featuring an LCD screen, two USB ports, multi-stage battery charging algorithm, charging protections, and real-time system indicators.

### Battery Connections

- Three ways to connect to your battery using a SAE connector, battery rings or battery clamps.

### Easy Storage and Carry

- Incredibly lightweight and compact, easy to set-up, carry or store

### Tilting Legs

- Equipped with tilting legs to allow you to angle the solar module towards the sun and maximize solar energy harvesting.

## RECOMMENDED POWER SOLUTIONS

COMPLETE YOUR ELECTRICAL SYSTEM



FREEDOM XC  
INVERTER/CHARGER



FREEDOM SW  
INVERTER/CHARGER

## ELECTRICAL DATA

PANEL TYPE	100W
Maximum power-Pmax (W) at STC*	100W (3 x 33.3W)
Maximum power voltage-Vmp (V)	19.1
Maximum power current-Imp (A)	5.24
Open circuit voltage-Voc (V)	22.9
Short-circuit current-Isc (A)	5.66

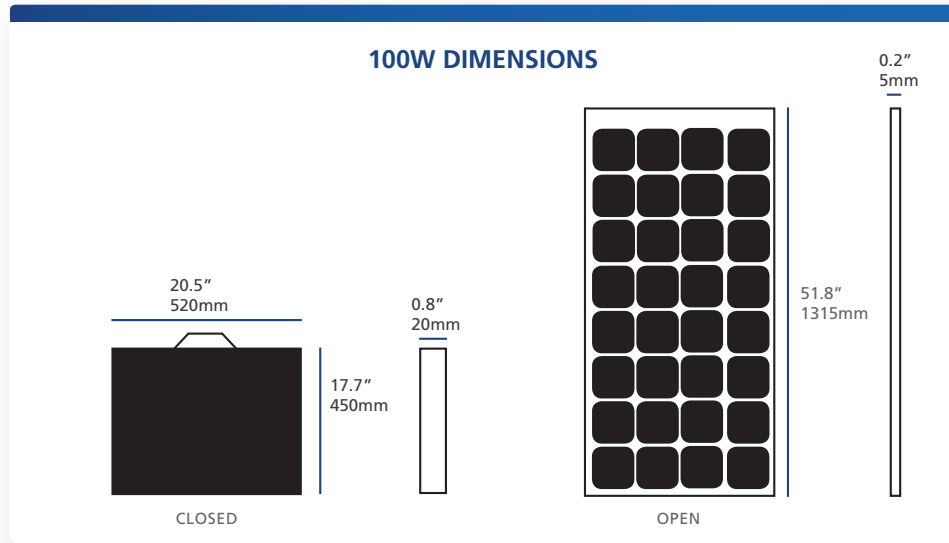
\*Standard Test Conditions (STC): Irradiance: 1000W/m<sup>2</sup>, Cell Temperature: 25°C, Air Mass: 1.5

## MECHANICAL DATA

PANEL TYPE	100W
Cell type	Mono-crystalline
Number of busbars	5
Weight	9.81lbs (4.45kg)
Folded dimensions	17.7in x 20.5in x 0.8in 450mm x 520mm x 20mm
Open dimensions	51.8in x 20.5in x 0.2in 1315mm x 520mm x 5mm
Charge controller dimensions	5.6in x 3.4in x 1.6in 142mm x 85mm x 41.5mm

## TEMPERATURE DATA

PANEL TYPE	100W
Operating temperature	-40 °C to +80 °C
Nominal operating cell temperature	45 +/- 2 °C
Temperature coefficients of Pmax	-0.39%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	0.05%/°C



#### SOLAR KITS

Mfg Part #	Description
783-0100-01	100W Solar Portable Flex Kit

#### ACCESSORIES

Mfg Part #	Description
708-0080	Remote Battery Temperature Sensor
708-0110	SAE-to-Cigarette Lighter Battery Adapter Cable

#### UPC CODES

100W SOLAR PORTABLE FLEX KIT



#### SHIPPING INFO

Mfg Part #	Estimated Weight (Kg)	Unit Dimensions (mm)	Master Carton Dimensions	Units in Pallet
783-0100-01	6.7	90 x 500 x 585	No Master Carton	TBD