

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

www.xantrex.com
CUSTOMER CARE: 1.800.670.0707

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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

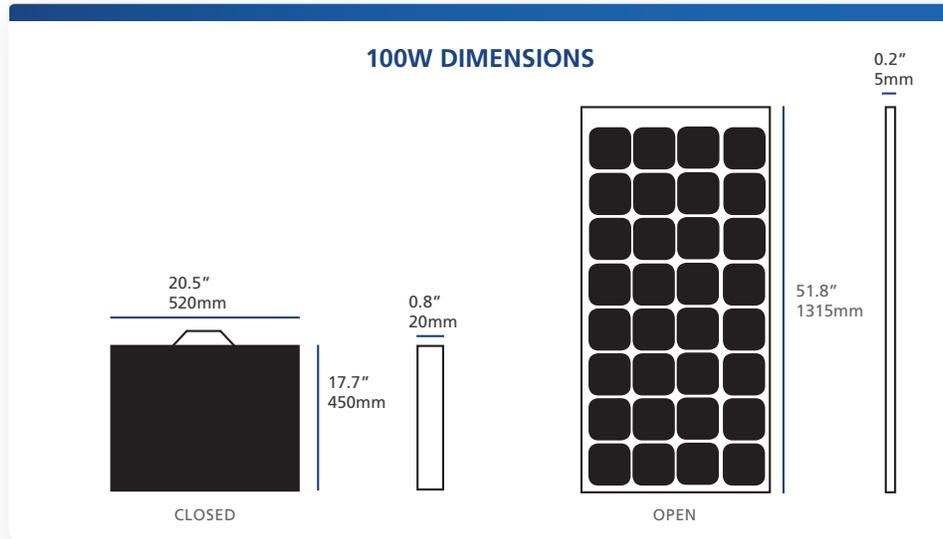
*Standard Test Conditions (STC): Irradiance: 1000W/m², Cell Temperature: 25°C, Air Mass: 1.5

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

CONTACT

CUSTOMER SERVICE

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 Hours of operation:
 6:30am - 4:30pm PST, Monday to Friday

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