FLEXSOLAR
THE POWER OF LIGHT

C100
100 WATT
FLC-C2-201000-4

100W FOLDABLE SOLAR PANEL

Lightweight off-grid energy source to power your gear with maximum efficiency. Take the FLEXSOLAR® 100W Foldable Solar Panel with you on your outdoor travels. With high conversion efficiency up to 24%, it'sideally suited for outdoor life and unexpected power outages. The solar panel is lightweight at only 11.2 lbs, foldable and features a comfortable magnetic carry handle for easy portability.

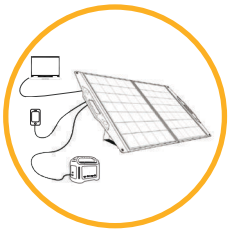
HIGHLY EFFICIENT
Premium solar cells with an energy conversion efficiency of up to 22%~24%.

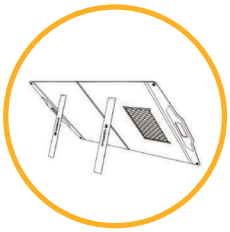
ACCESS MULTIPLE PORTS
Built-in Junction Box has DC, USB-A, and USB-C (PD 60W) ports to directly connect and charge smartphones, tablets, laptops, power stations, coolers, and more.

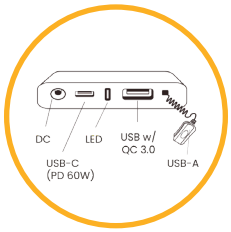
OPTIMIZED CHARGING
An intelligent chip automatically identifies connected devices and adjusts output current to offer the fastest possible charging speed.

SUPERIOR DURABILITY
IP65
Industrial-strength PET polymers and rugged polyester canvas provide lasting durability to protect against unpredictable weather conditions.

CHARGE MULTIPLE DEVICES
Go off-grid with confidence. Charge multiple portable devices at the same time.


Recharge Off-Grid


Kickstand



Connection Ports

FLEXSOLAR

FLEXSOLAR is the brand of Flextech Company, a global solar solution manufacturing pioneer. You can rely on the experience and strength of our product development and innovation. Now, with multiple patents, factory locations and a focus on smart solar solutions, we're proud to introduce our FLEXSOLAR brand. The Power of Light is our vision to provide solar solutions that deliver smart energy for life.

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100W FOLDABLE SOLAR PANEL

GENERAL

Model	C100
Part Number	FLC-C2-201000-4
UPC Number	785249519154

ELECTRICAL SPECIFICATIONS

Rated Peak Power (Pmax |W)	100 W
Open Circuit Voltage (Voc | V)	23.7 V
Short Circuit Current (Isc | A)	5.30 A
Maximum Power Voltage (Vmp | V)	19.8 V
Maximum Power Current (Imp | A)	5.10 A
Module Efficiency (%)	22%
Power Tolerance	±10%
Operating Temperature (°F/°C)	-4°F to 149°F(-20°C to 65°C)
Application Level	Class A
Temperature Coefficient (Pmax)	-0.45%/K
Temperature Coefficient (Voc)	-0.32%/K
Temperature Coefficient (Isc)	+0.02%/K
Standard Test Conditions	1000W/m2, 25°C, AM1.5

MECHANICAL SPECIFICATIONS

Solar Cell Type	Monocrystalline
Dimensions (LxWxD)	48.8 x 27.1 x 0.2 in (1238 x 689 x 5 mm) - unfolded 27.1 x 24.1 x 1.4 in (689 x 611 x 35 mm) - folded
Net Product Weight	11.2 lbs (5.1 kg) with junction box and accessories
Backsheet Color	Black
Grommets	4 with 8 mm diameter
Junction Box	IP65 rated in accordance with UL 3730 Output ports: USB 2.0, USB 3.0, USB-C (PD 60W), DC5521
Kickstand	Optimized 30° to 40° angle for maximized sun light intake
Enclosure	Magnetic handle with ergonomic design
Charge Controller	None

PACKAGING & SHIPPING INFORMATION

Retail Box Dimensions (LxWxD) & Weight	Quantity 1 unit per retail box: 29.5 x 2.8 x 26.0 in (750 x 70 x 660 mm); 13.9 lbs (6.3kg)
Master Box Dimensions (LxWxD) & Weight	Quantity 3 retail box per master box: 30.3 x 9.6 x 27.2 in (770 x 245 x 690 mm); 44.9 lbs (20.4kg)

ACCESSORIES

10′ (3m) cable with DC5521 male connectors

4-in-1 interchangeable connectors

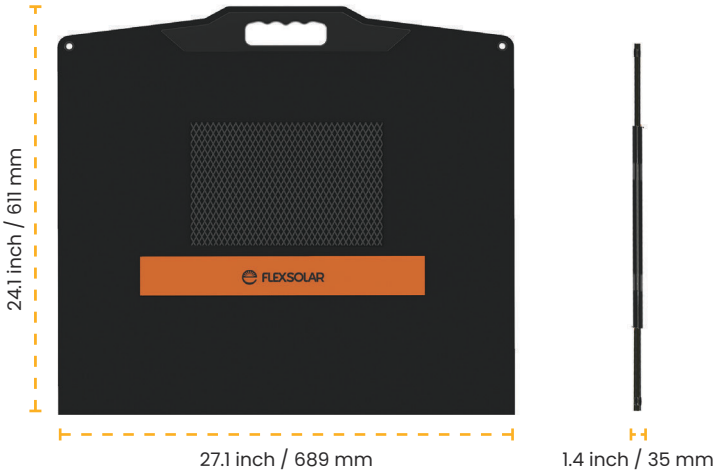
1′ (0.3m) DC 5521 to alligator clip

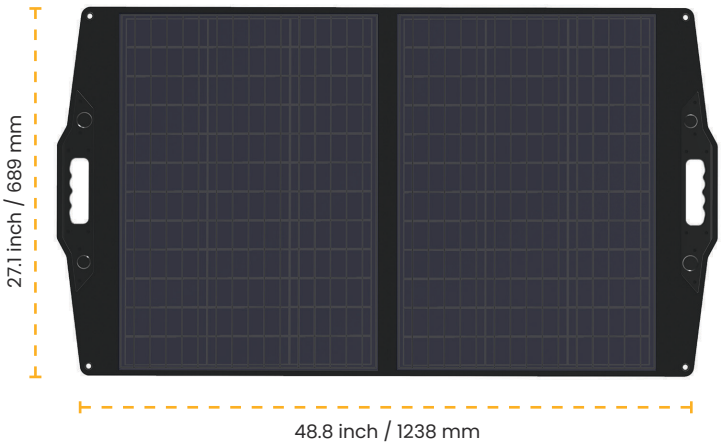
WARRANTY

2-year limited warranty, register at flexsolarenergy.com

REGULATORY & CERTIFICATION

FCC, CE, RoHS





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