

# 100W SOLAR PANEL BRIEFCASE

Lightweight off-grid energy source to power your gear with maximum efficiency. Take the FLEXSOLAR® 100W Solar Panel Briefcase with you on your outdoor travels. With high conversion efficiency up to 22%, it's ideally suited for mobile living, work and off-grid recreation. The briefcase design provides convenient portability, and includes a kick-stand that can be set up almost anywhere.



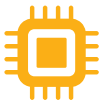
### HIGHLY EFFICIENT

Premium solar cells with an energy conversion efficiency of up to 22%.



### ACCESS MULTIPLE PORTS

The voltage switchable DC port, Anderson port, and SAE port are ready to charge smartphones, tablets, laptops, power stations, coolers, and more. The negative-ground charge controller is compatible with RVs, boat trailers, etc.



### OPTIMIZED CHARGING

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



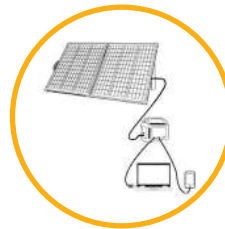
### SUPERIOR DURABILITY

Industrial-strength glass and corrosion-resistant anodized aluminum (Black) kickstand to withstand high wind loads and snow loads.

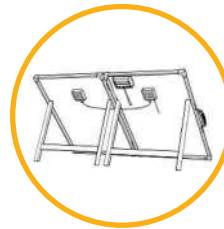


### CHARGE MULTIPLE DEVICES

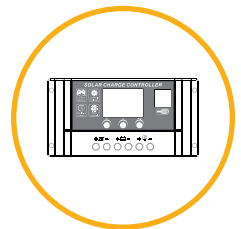
Go off-grid with confidence. Charge multiple portable devices at the same time.



Recharge Off-Grid



Kickstand



Controller



# 100W SOLAR PANEL BRIEFCASE

## GENERAL

Model	G100
Part Number	FLC-G2-181000-P100-B
UPC Number	785249519185

## ELECTRICAL SPECIFICATIONS

Rated Peak Power (Pmax   W)	100 W
Open Circuit Voltage (Voc   V)	22.6 V
Short Circuit Current (Isc   A)	5.72 A
Maximum Power Voltage (Vmp   V)	18.4 V
Maximum Power Current (Imp   A)	5.43 A
Module Efficiency (%)	21.5%
Power Tolerance	±5%
Operating Temperature (°C /°F)	-40°F to 180°F (-40°C to 82°C)
Application Level	Class A
Temperature Coefficient (Pmax)	-0.38%/K
Temperature Coefficient (Voc)	-0.30%/K
Temperature Coefficient (Isc)	+0.05%/K
Standard Test Conditions	1000W/m2, 25°C, AM1.5






## MECHANICAL SPECIFICATIONS

Solar Cell Type	Monocrystalline
Dimensions LxWxD	42.6 x 26.8 x 1.3 in (1082 x 683 x 33 mm) - unfolded 26.8 x 22.0 x 2.6 in (683 x 560 x 67 mm) - folded
Net Product Weight	23.2 lbs (10.5kg) with Junction Box
Backsheet Color	Black
Junction Box	IP65 rated in accordance with UL 3730 Output Ports: DC, Anderson , SAE
Charge Controller	Provided

## PACKAGING & SHIPPING INFORMATION

Retail Box (Dimensions & Weight)	Quantity 1 unit per retail box LxWxD: 28.3 x 3.5 x 22.4 in (720 x 90 x 570 mm); 25.1 lbs (11.4kg)
Master Box (Dimensions & Weight)	Quantity 1 retail box per master box LxWxD: 28.7 x 23 x 3.9 in (730 x 585x 100 mm); 27.3 lbs (12.4kg)

## ACCESSORIES

		
3' (1m) cable with SAE to Anderson connector	3' (1m) cable with SAE to DC 8055 male connector	10' (3m) cable with bare wire to alligator connector
		
20A/(12V/24V) PWM Controller	Carry bag	

## WARRANTY

2-Year Limited Warranty, register at [flexsolarenergy.com](http://flexsolarenergy.com)

