

40W FLEXIBLE SOLAR CHARGER

Lightweight, waterproof energy source to power your gear with maximum efficiency. Take the FLEXSOLAR® 40W Flexible Solar Charger with you on your outdoor travels. With high conversion efficiency up to 24%, it's ideally suited for outdoor life and unexpected power outages. The solar panel is lightweight at only 45.9 ounces and features a comfortable foldable dimension for easy portability.



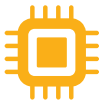
HIGHLY EFFICIENT

Premium solar cells with an energy conversion efficiency of up to 24%.



SLIM DESIGN

Compact size and light weight make this charger easy to carry. It fits into any backpack for outdoor activities. It should be a must to have for an emergency kit.



SMART CHARGING

The Auto-restart function allows consistent charging becomes reality even when moving in or out of the shadow.



SUPERIOR DURABILITY

Eco-friendly and self-cleaning material E film provides lasting durability to protect against unpredictable weather conditions, and can easily withstand high temperatures.



CHARGE MULTIPLE DEVICES

Built-in controller box has Type-C, DC, USB(QC 3.0) ports to directly connect and charge smartphones, iPads and power banks. OBD2 cable connected to DC port can be used to charge car battery when the car is parked for a long period of time.



Recharge Electronics



3D Actual Model



Controller Box



40W FLEXIBLE SOLAR CHARGER

GENERAL

Model	E40
Part Number	FLC-E6-200400-3
UPC Code	785249519352

ELECTRICAL SPECIFICATIONS

Rated Peak Power (Pmax W)	40 W
Open Circuit Voltage (Voc V)	23.7 V
Short Circuit Current (Isc A)	2.1 A
Maximum Power Voltage (Vmp V)	19.8 V
Maximum Power Current (Imp A)	2.0 A
Module Efficiency (%)	24%
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)	48.8x 11.1x 0.1 inch (1240x 282 x 3 mm) - unfolded 8.0x 11.1x 1.8 inch (203x 282x 45 mm) - folded
Net Weight	45.9 ounces (1300g)
Backsheet Color	Black
Hook	4
Controller Box	IP67 rated in accordance with UL 3730 Output ports: USB(QC 3.0), DC5521, Type-C
Charging Time	USB(QC 3.0)port: 0.4-0.6 hrs (charge iPhone 12 pro); 0.5-0.8 hrs (charge Galaxy S21) DC5521 port (with connector): 0.6-0.8 hrs (charge iPhone 12 pro and Galaxy S21) Type-C port: 0.6-0.8 hrs

PACKAGING & SHIPPING INFORMATION

Retail Box Dimensions (LxWxD) & Weight	Quantity 1 unit per retail box: 12.8x 9.4x 2.0 in (325x 240x 52 mm); 59.6 ounces (1690g)
Master Box Dimensions (LxWxD) & Weight	Quantity 10 retail box per master box: 26.8x 11.4x 10.2 in (665x 300x 260 mm); 39.2 lbs (17.8kg)

ACCESSORIES



2 Carabiners

WARRANTY

2-year limited warranty, register at flexsolarenergy.com

REGULATORY & CERTIFICATION

FCC, CE, RoHS

