SUNSLICE
Energy anywhere

FUSION
150

USER MANUAL

www.sunslice-solar.com

⬤ Table of contents

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⊞ INTRODUCTION

Thank you for your purchase. We hope you will have an excellent user experience with the Sunslice Fusion.

The Sunslice Fusion solar panel was developed by Sunslice, a Belgian company founded by two Belgian engineers with the ultimate goal of giving people access to energy everywhere.

This solar charger has an ideal solar charging speed for travelers, campers as well as for more domestic use and is extremely practical thanks to its foldable format. It will allow you to enjoy the sun twice as much.

This manual contains important information about the safety and maintenance of the product. To fully enjoy your purchase, we recommend that you read the manual carefully and keep it in a safe place in case you need to refer to it later.

Geoffroy & Henri

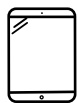## IN THE BOX
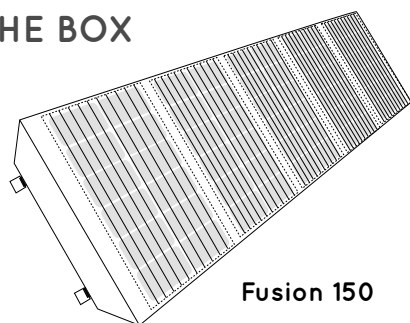
Fusion 150

DC5521 (male) to DC5521 (male) & DC6530 (male) - 5M Cable

COMPATIBLE WITH

LAPTOP   TABLET   GPS   SPEAKER   USB

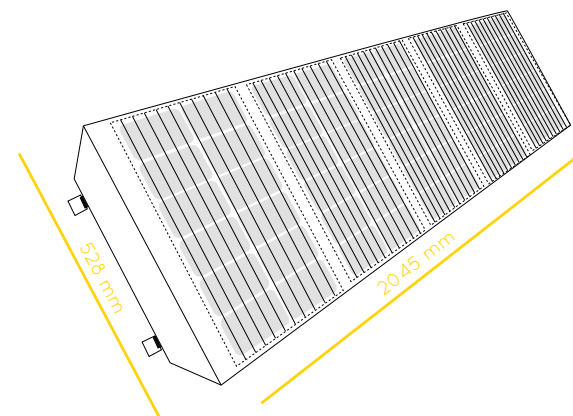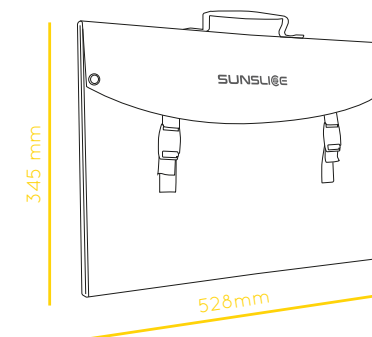SMARTPHONE   GoPRO   SAT PHONE   TORCHLIGHT   SMARTWATCH   CAMERA

⊞ PRODUCT OVERVIEW

Weight : 6.2kg

528 mm

2045 mm

345 mm

528mm

USB INTERFACE / JUNCTION BOX

LED Indicator

DC5521 150 W

USB-C2 PD 24W
Output : 5V/3.4A, 9V/2.5A, 12V/2A

USB-C1 PD 65W
Output : 5V/3.4A, 9V/3A, 12V/3A, 20V/3.25A

USB-A 24W
Output : 5V/3.4A, 9V/2.5A, 12V/2A
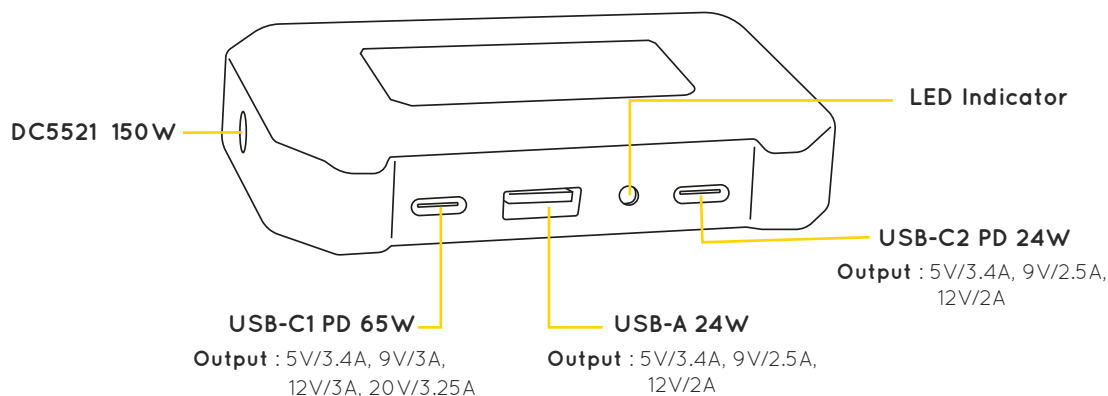
⊞ KEY FEATURES

→ SOLAR POWER 150 WATTS

→ FOLDABLE AND PORTABLE

→ TRIPLE USB-OUTPUT

→ ULTRA-RESISTANT TEXTILE

→ SCRATCH-RESISTANT

→ SHOCK-RESISTANT

→ WATER RESISTANT

⬡ SPECIFICATIONS

SOLAR POWER	150 Watts
TECHNOLOGY	Monocristalline
TOTAL SOLAR OUTPUT 150 W MAX	USB-C1 PD 65W : 5V/3.4A, 9V/3A, 12V/3A, 20V/3.25A USB-C2 PD 24W : 5V/3.4A, 9V/2.5A, 12V/2A USB-A 24W : 5V/3.4A, 9V/2.5A, 12V/2A DC5521 : 150 W
VOC	39V
VMPP	30V
ISC	6.45A
IMPP	5A
WEIGHT	6.2kg
DIMENSIONS	345 x 528 x 45 mm (closed) 2045 x 528 x 10 mm (open)
CHARGING STATUS	LED Indicator
IN THE PLANE	Allowed

⬡ CHARGE IN THE SUN


Laptop, Phone or preferably external battery
Here Gravity 10
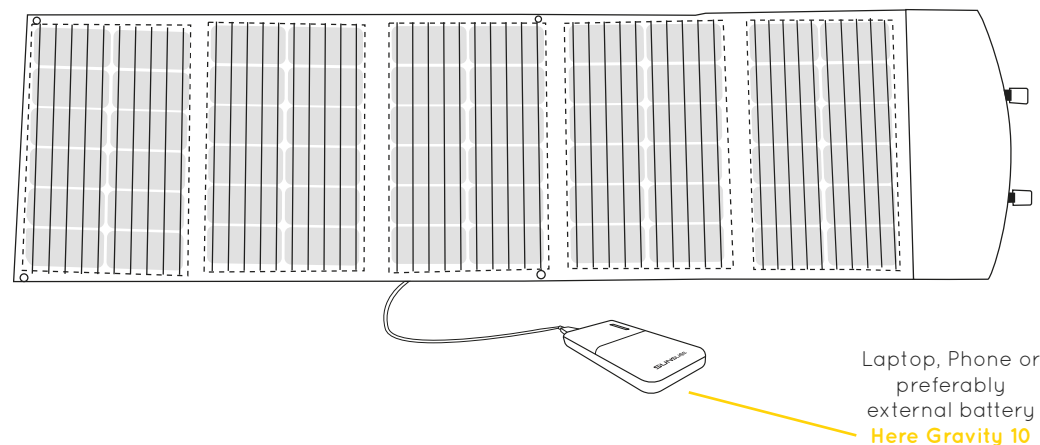
The Fusion charges using solar energy. To start charging, unfold the Fusion and place it in the sun.

Next, connect the device of your choice to the back of the Fusion using the original USB cable of the device you are charging. The device will begin charging automatically.

The connected device should ideally be an external battery. Connecting a phone or computer directly to the Fusion is also possible but may decrease the performances.
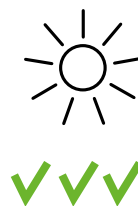
⬡ IMPROVE YOUR SUNSLICE EXPERIENCE

▸ Tilt the Fusion in the right direction to receive as much sunlight as possible. It's best to place the panels perpendicular to the sun to maximize its performances.

▶ Try to fully and uniformly expose the solar panel to the sun. Placing the panel behind a window significantly reduces the solar performances.

▶ The Fusion charges better when it is static and well exposed.

▶ Different phone models and devices may react differently to charging depending on their intrinsic characteristics (e.g. One Plus, iPhone, Huawei, etc.). Therefore, charging time and performance may vary accordingly.

OUR WARRANTIES

PREMIUM QUALITY	We select the finest materials to insure a high quality and durability for all of our products.
PROTECTION CIRCUIT	The Sunslice Fusion is equipped with a voltage stabilizing circuit to avoid damaging your devices.
2 YEARS WARRANTY	The Fusion has a 2 year warranty. In case something goes wrong, please contact us directly by email at : **service@ sunslice-solar.com**

Before contacting us, please have a look at our FAQ at :

www.sunslice-solar.com/apps/help-center

PRECAUTIONS

• Do not pierce, throw, drop, or modify the structure of your Fusion.

• Do not crack the solar panels by bending them.

• Do not leave the Fusion in the rain, keep it away from water. Do not expose the Fusion to fire or excessive heat.

• Avoid charging your phone or laptop directly from the Fusion. It is better to first charge an external battery with the Fusion and then charge your phone with that battery.

• Do not short-circuit the Fusion with lead or metal objects.

• Do not disassemble the charger or modify its structure in any way.

• Stop using the Fusion if it generates an unusual odor, heat, distortion, or any other anomaly.

• Keep out of reach of children.

You are welcome on our website to learn more about our products.

www.sunslice-solar.com

Sunslice SRL
Chemin du Cyclotron 6,
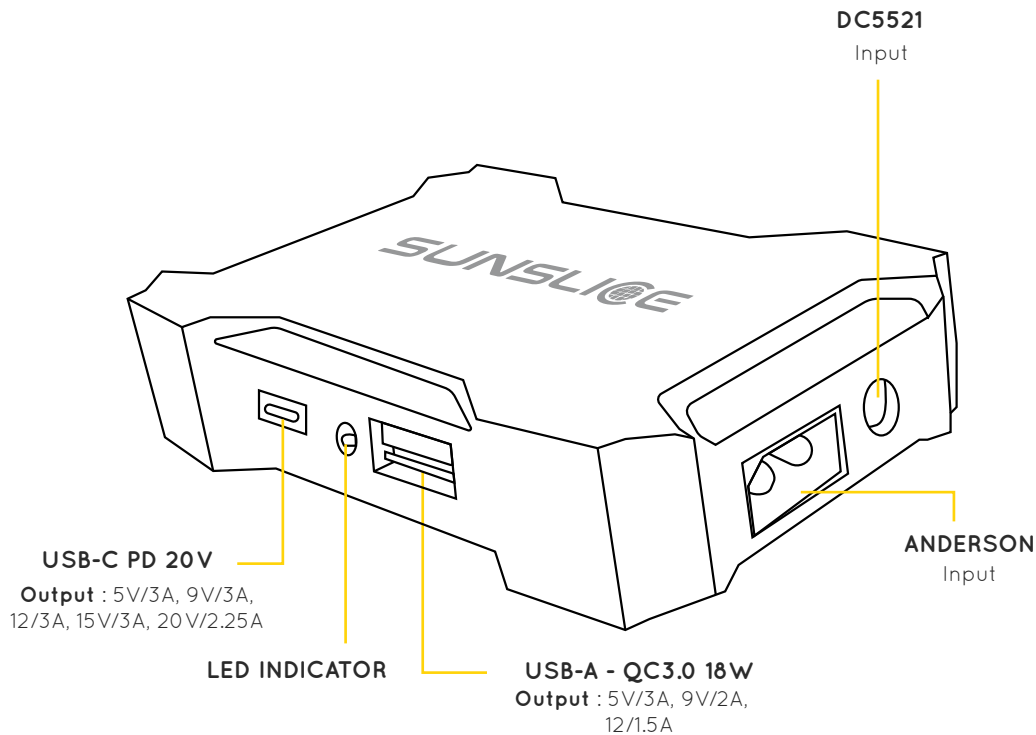1348 Louvain-la-Neuve, Belgique

BEST ACCESSORY FOR YOUR FUSION

The Sunslice junction box has been developed in order to provide USB connectivity from a range of unregulated DC power sources, for more flexibility and comfort.

*Geoffroy & Henri*

PRODUCT OVERVIEW

JUNCTION BOX

DC5521
Input

ANDERSON
Input

USB-C PD 20V
Output : 5V/3A, 9V/3A, 12/3A, 15V/3A, 20V/2.25A

LED INDICATOR

USB-A - QC3.0 18W
Output : 5V/3A, 9V/2A, 12/1.5A

CONNECT THE POWER SOURCE TO THE JUNCTION BOX

CONNECT TO SOLAR PANELS

Connect your solar panel output to the **DC5521** or to the **Anderson** power input. Make sure your solar panel's open voltage does not exceed 42V. All of Sunslice's solar panels (Fusion 40, Fusion 100 and Fusion 150) will be perfectly compatible with the junction box.
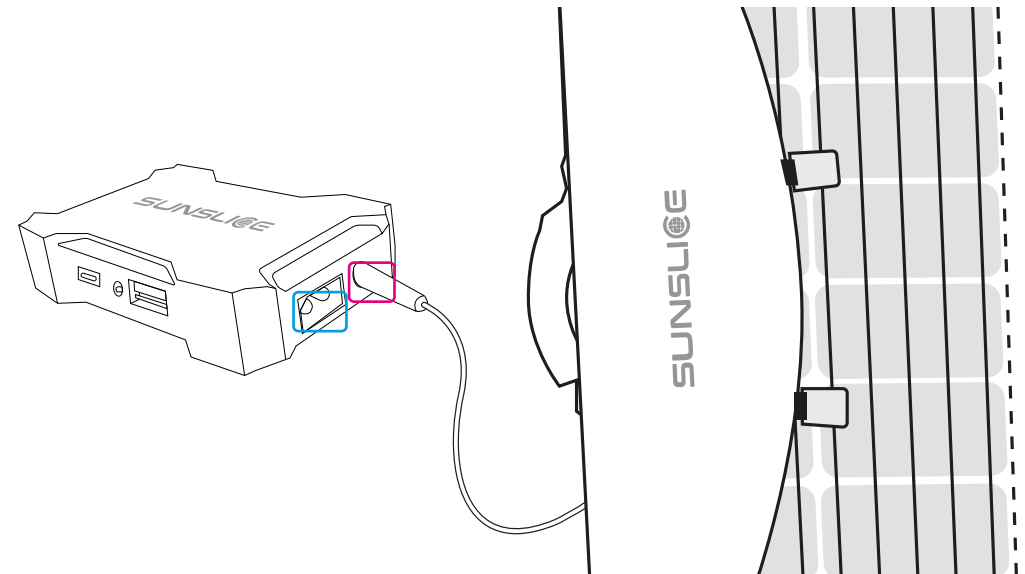
CONNECT A BATTERY

Connect your battery terminals to an adapter cable (available at Sunslice too), making sure to connect the red clip to the positive terminal of the battery, and the black clip to the negative terminal of the battery. Then, connect the DC5521 output to the Junction box.

CAR CIGARETTE LIGHTER OUTPUT

Connect a "Cigarette 12V charger to DC5521 adapter" (available at Sunslice too) to the junction box's input **DC5521** port.
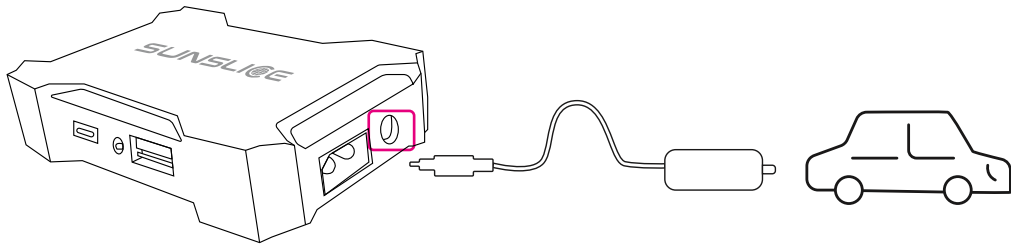
⊞ SPECIFICATIONS

INPUT	Port DC5521 (36-42V)
	Port Anderson (36-42V)

TOTAL OUTPUT 45W MAX	<u>USB-C PD 45W</u> : 5V/3A, 9V/3A, 12/3A, 15V/3A, 20V/2.25A
	<u>USB-A QC3.0</u> : 5V/3A, 9V/2A, 12/1.5A

|	
SOLAR CHARGING STATUS	LED Indicator

⊞ GOOD TO KNOW

Please note that the input voltage must be higher than the charging protocol you plan to use. This means:

To charge a laptop with the USB-C 20V protocol, the input source must be higher than 20V. This would therefore not work with a 12V cigarette lighter output or a 12V battery, but would work with a 30V solar panel or a 24V battery.

Also, please note the power source must be sufficiently powerful to charge your device. This means:

A 20W solar panel would not be powerful enough to charge a laptop requiring 45W of power.

⊞ CHARGE YOUR DEVICE
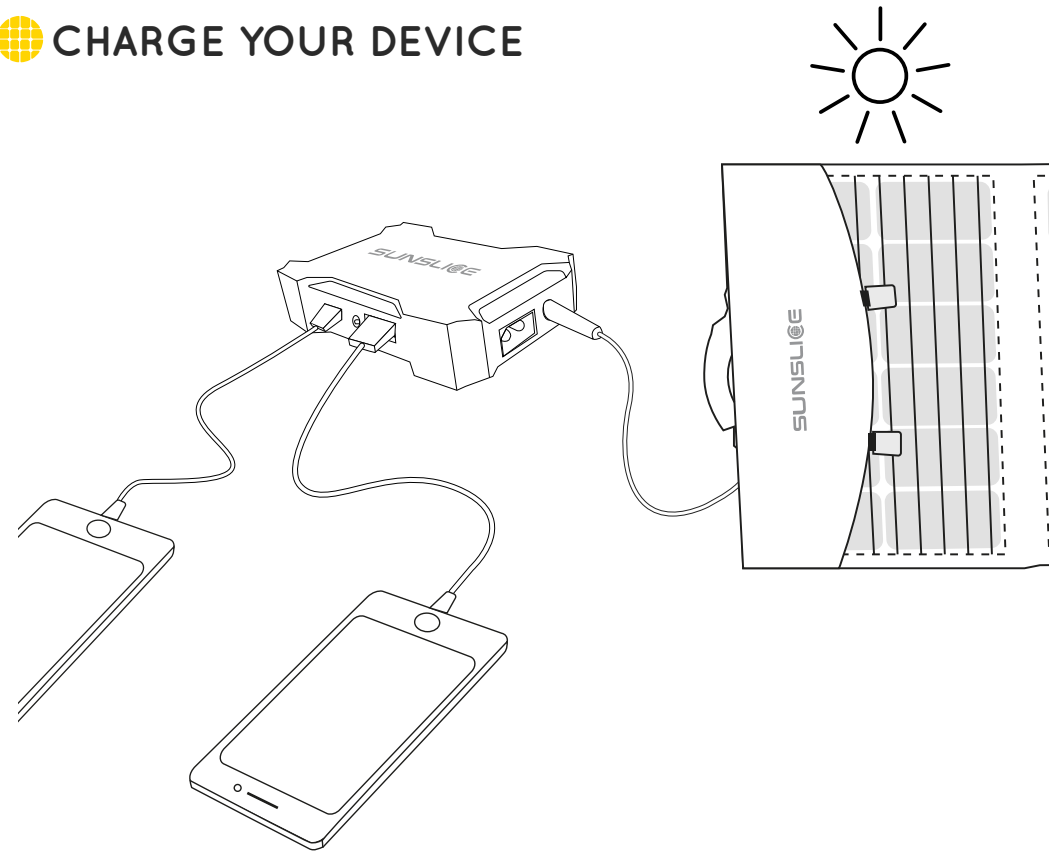
Once the junction box is powered, the red LED indicator should turn on. You can now connect your laptop, smartphone or any other device to the special junction box's USB-A or USB-C port.

For the best charging experience, we recommend using only one output at a time.

If you want more information on this product:
Junction box