ECOFLOW

POWER A NEW WORLD

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ECOFLOW

About EcoFlow

Our mission is to empower both individuals and communities through portable, clean, and reliable power, by replacing the traditional gas generator and reinventing the way the world accesses energy.

EcoFlow combines industry-leading research and knowledge to build innovative products that are at the forefront of design, intelligence, and power.

The EcoFlow product lineup includes state-of-the-art technology that offers users clean, quiet, and renewable power for both indoor and outdoor use.

LITHIUM-ION BATTERY POWER STATION

◆ **NO FUEL, NOISE, OR FUMES**

No gasoline, toxic fumes, or noise/vibration during operation.
The EcoFlow Power Station is safe to use indoors.

◆ **NO MAINTENANCE**

Easy to use, keep it plugged into a wall outlet or solar panel.

◆ **NO LOST POWER**
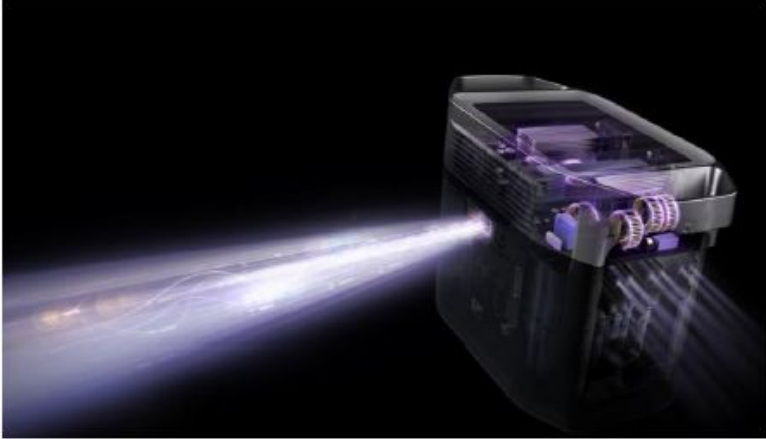
Power is stored and consumed as needed, maximizing efficiency.

◆ **LOW COST**

Costs 30% less than regular gasoline-powered inverter generators over its
lifetime.

EF ECOFLOW

Our Technology

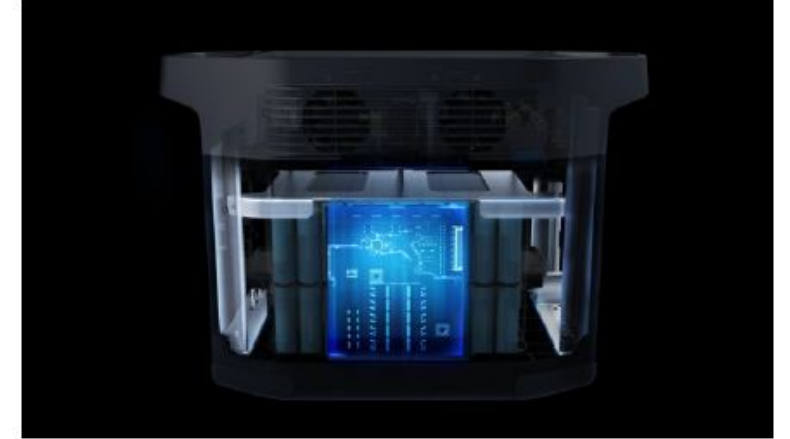## X-Stream (patented)
Fastest recharge on the market

- Faster charging than any competitor on the market
- Charge from 0 to 80% in 1 hour
- No bulky adapter required

X-Boost
Powerful AC output

- Adjustable voltage to power more devices (hair dryers, kitchen appliances, tools, and more)
- X-Boost enables the RIVER series to power devices up to 1800W

Smart BMS
Powerful, efficient, and safe performance

- Adjusts voltage, current, and temperature for the most efficient battery use

ECOFLOW

Our Products

Power Station

RIVER

RIVER Max

RIVER Pro

DELTA

Accessories

RIVER Extra Battery

RIVER Pro Extra Battery

Solar Panel

110W Solar Panel

160W Solar Panel

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Applications

Outdoor applications

Embrace the great outdoors with total peace if mind.

- Road trips
- Camping
- Festivals
- Tailgating

Emergency applications

Stay in charge of any situation.

- Home backup
- Disaster relief
- Medical services

Professional

Get the job done with reliable.

- DIY/Construction
- Filmmaking/Photography
- Event production

RIVER Series

RIVER

RIVER Max

RIVER Pro

Accessories

RIVER Extra Battery

RIVER Pro Extra Battery

RIVER Training Guide

2021

Introducing RIVER _ Specifications

General Info	
Net Weight	*11 lbs (5kg)
Dimension	*11.3 x 7.3 x 7.7 in (28.8 x 18.5 x 19.4 cm)
Charge Temperature	32-113°F +/- 5°F (0-45°C +/- 3°C)
Discharge Temperature	-4-140°F +/- 5°F (-20-60°C +/- 3°C)
Color	Cyber Black
Warranty	24 month
Charging	
Charge Method	AC Wall Outlet, 12V Car Adaptor, Solar Panel
Full Recharge Time	1.6 Hours (AC) 3 Hours (12/24V Car Adaptor) 1.6-3 Hours (Using 2x110W Solar Panels simultaneously with full sun) 2.4-5 Hours (Using 1x160W Solar Panel with full sun)
Battery Info	
Capacity	288Wh (28.8V)
Cell Chemistry	Lithium-ion
Shelf Life	1 year (after fully charging the device)
Cycle Life	500 cycles to 80%+ capacity
Management Systems	BMS, Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
Testing and certification	UL Standard, CE, FCC, RoHS

Input Ports	
AC Charge Input Power	X-Stream Charge 250W Max/500W Max(With Extra Battery)
AC Charge Input Voltage	100-120Vac(50Hz/60Hz); International Version 220-240Vac(50Hz/60Hz)
Solar Charge Input	200W 10-25VDC 12A Max
Car Charger	12V DC 10A Max
Output Ports	
AC Output (x3)	600W (Surge 1200W) total,120Vac(50Hz/60Hz)
USB-A Output (x2)	5V DC, 2.4A, 12W Max, per port
USB-A Fast Charge (x1)	5V DC, 9V DC, 12V DC, 2.4A, 28W Max
USB-C Output (x1)	5V DC, 9V DC, 12V DC, 15V DC, 20V DC, 5A, 100W Max
Car Power Output (x1)	136W, 13.6V DC, 10A Max
DC5521 Output (x2)	13.6V DC, 3A Max, per port

Introducing RIVER _ The best selling points

3 x 600W AC Outlets And 288Wh Capacity

The EcoFlow RIVER can power up to 10 devices simultaneously. With 3 pure sine wave AC outlets, the EcoFlow RIVER can power some devices up to 1800W with the X-Boost mode on. With a capacity of 288Wh, the EcoFlow RIVER provides enough juice to run essential devices for hours, depending on the actual output.

Introducing RIVER _ The best selling points

Rechange From 0-80% Within 1 Hour

With EcoFlow's patented X-Stream Technology, the smart inverter enables a fast rechargeability that takes less than 1 hour to charge from 0% to 80%, and it gets fully charged in 1.6 hours. You can switch to a quieter charging condition by turning on the "Quiet Charging" status on the APP.

Introducing RIVER _ The best selling points

Compatible With 80% Home Appliances

The RIVER can power some devices up to 1800W with the X-Boost mode on, which lets you power about 80% of essential devices like kitchen appliances and DIY tools. Use devices below 1200W for the best product use.

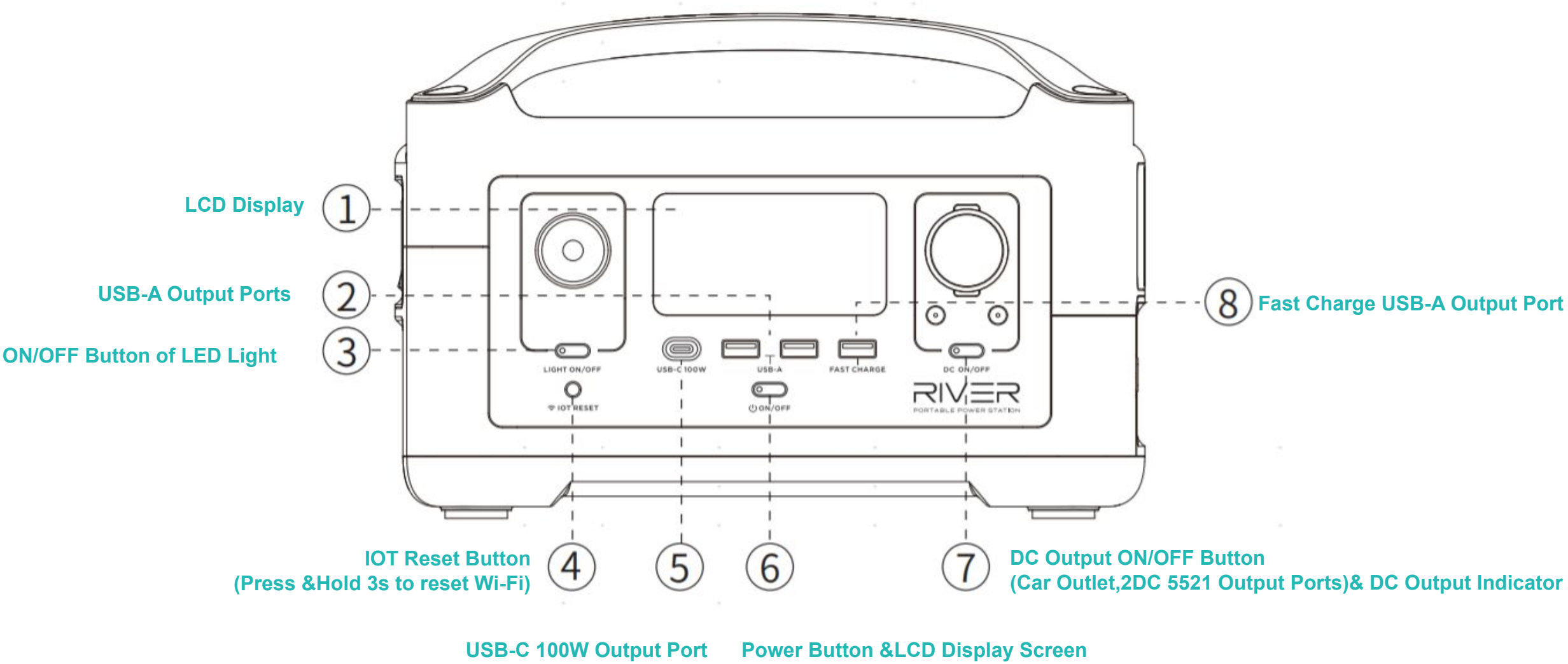# Introducing RIVER _ The best selling points

Compact and Portable

With the rugged easy-to-carry handle, the 11lbs EcoFlow RIVER is perfect for outdoorsy use. Slightly larger than a toaster, it can easily fit in the trunk of a minivan, or anywhere in the house whenever you need an AC power source. You can always be prepared for the next adventures, anytime, with this reliable, portable power station.
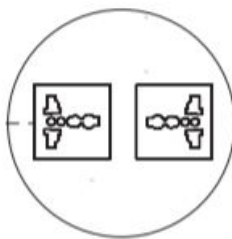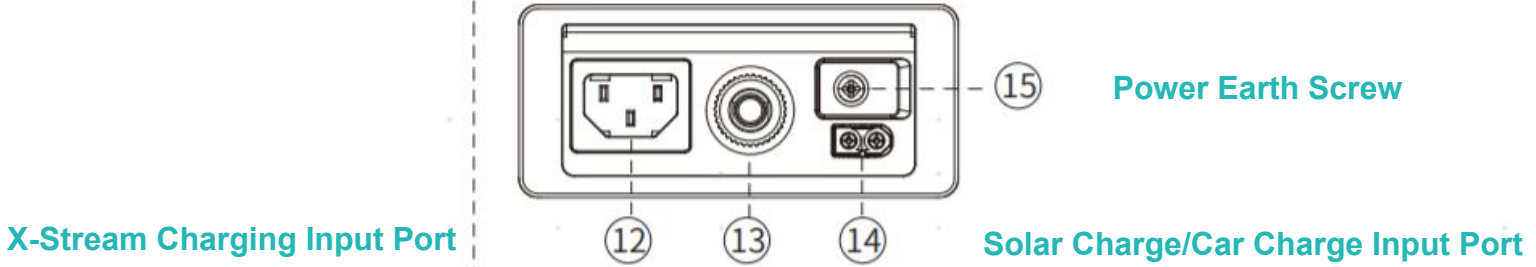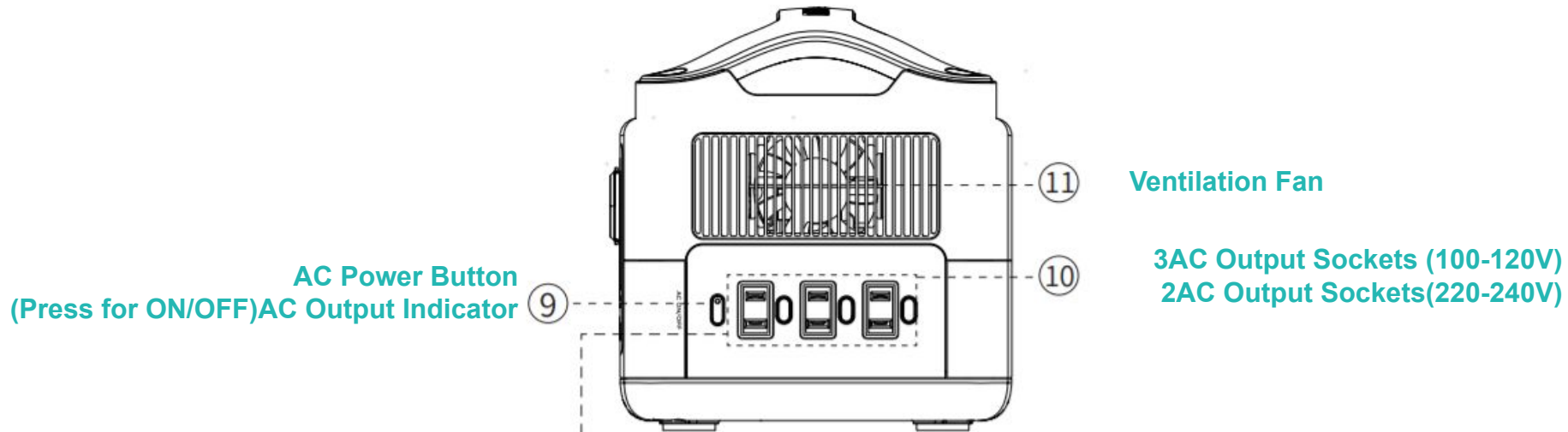

Sustainable Solar Charging

The smart MPPT inside of the EcoFlow RIVER enables it to recharge quickly through the solar power at a 200W maximum loading scale. With two 110W solar panels (IP67 waterproof) connected in parallel under a direct, perfect sunlight condition, the EcoFlow RIVER can be fully charged from 1.6 to 3 hours, giving you the freedom to enjoy clean, sustainable power from nature.

Introducing RIVER _ Features

- **LCD Display** ①
- **USB-A Output Ports** ②
- **ON/OFF Button of LED Light** ③

LIGHT ON/OFF   USB-C 100W   USB-A   FAST CHARGE   DC ON/OFF

⚲ IOT RESET   ⏻ ON/OFF

RIVER
PORTABLE POWER STATION

⑧ **Fast Charge USB-A Output Port**

**IOT Reset Button
(Press &Hold 3s to reset Wi-Fi)** ④

⑤ ⑥

⑦ **DC Output ON/OFF Button
(Car Outlet,2DC 5521 Output Ports)& DC Output Indicator**

USB-C 100W Output Port   **Power Button &LCD Display Screen**

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Introducing RIVER _ Features

Ventilation Fan — (11)

3AC Output Sockets (100-120V)
2AC Output Sockets(220-240V) — (10)

AC Power Button
(Press for ON/OFF)AC Output Indicator (9)

Power Earth Screw — (15)

X-Stream Charging Input Port — (12)

(13)

Solar Charge/Car Charge Input Port — (14)

Overload Protection Switch

220-240V region*Dedicated AC Output

*EcoFlow has designed different AC output sockets following the local regulations of different countries.

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What can RIVER power?

HOME BACKUP   + MORE

Light 10W	**CPAP Machine** 40W	**Refrigerator** 150W	**Blender** 300W
25 Hours(DC) 8.5 Hours(AC)	5-10 Hours	1.5-3 Hours	0.6-0.8 Hours
Television 110W	**Projector** 65W	**Hair Dryer** 1200W	**Coffee Maker** 1000W
2-4 Hours	3 Hours	0.4-0.8 Hours	10-12 Cups

OFF-GRID LIFE   + MORE

Phone 11Wh	**Macbook Air** 49.9Wh	**GoPro** 7.7Wh	**Switch** 16Wh
21 Times	5 Times	33 Times	15 Times
Drone 60Wh	**Electric kettle** 1200W	**Electric Frying Pan** 1200W	**Rice Cooker** 1000W
3+ Times	0.4 Hours	0.4 Hours	0.4 Hours

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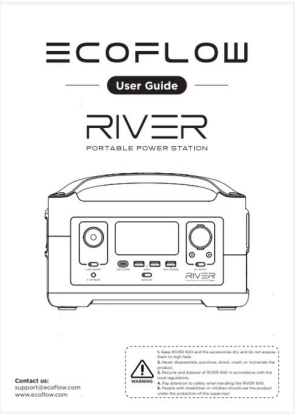# What's in the box?

RIVER

1.5m AC Charging Cable

1.5m Car Charging Cable

1.5m MC4 to XT60 Solar Charging Cable

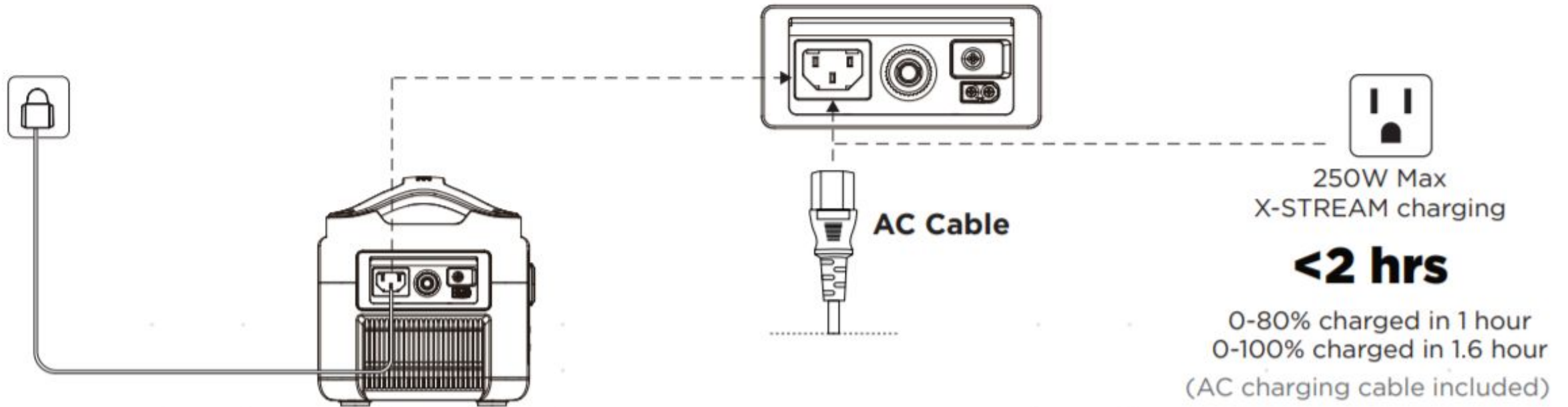DC5521-DC5525 Cable

User Manual
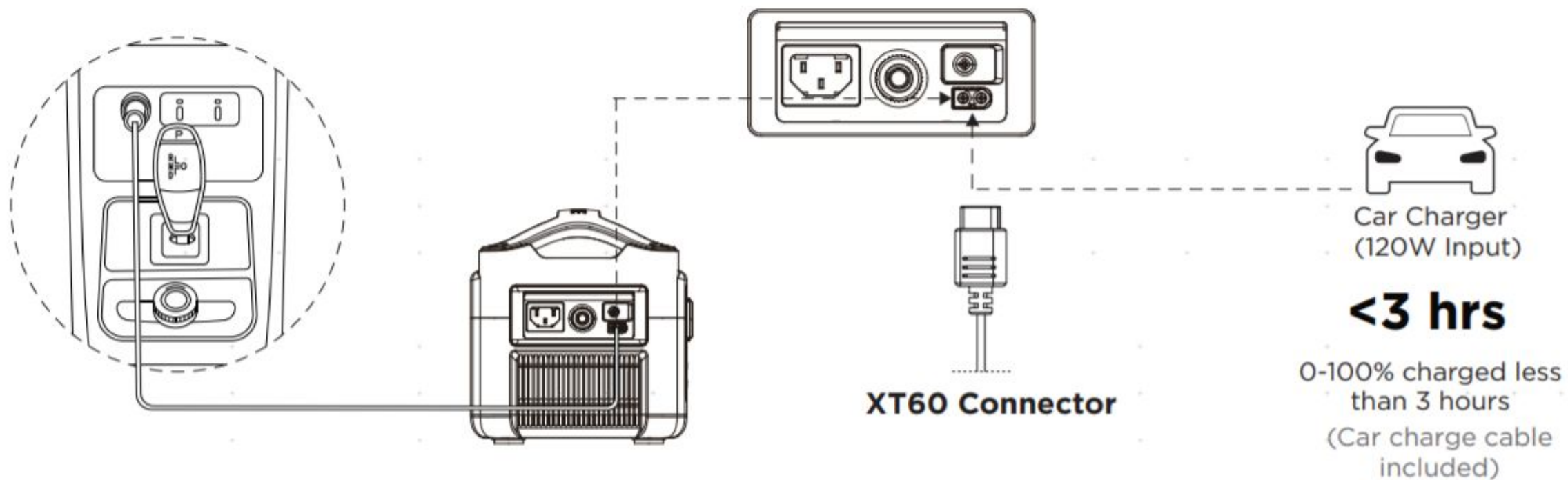
How to recharge RIVER ?

Example 1: recharge by AC cable

250W Max
X-STREAM charging

<2 hrs

0-80% charged in 1 hour
0-100% charged in 1.6 hour
(AC charging cable included)

AC Cable

How to recharge RIVER ?

Example 2: **recharge by a car charge cable**

XT60 Connector

Car Charger
(120W Input)

<3 hrs

0-100% charged less
than 3 hours
(Car charge cable
included)

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How to recharge RIVER ?

Example 3: connect a solar panel

How to recharge RIVER ?

Example 4: connect up to 2 sets of solar panels in parallel
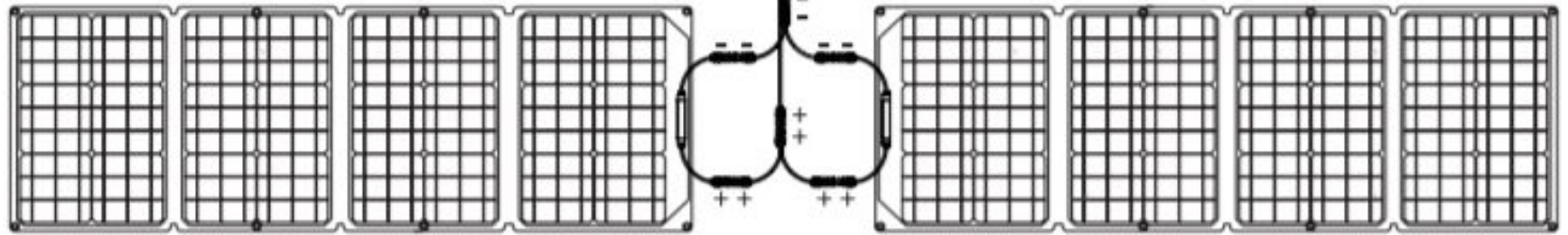**(Only supports parallel connection, NOT serial connection)**
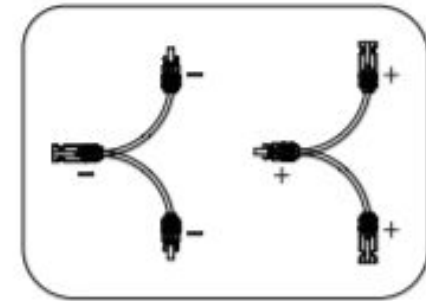

RIVER 600 Charging Port

XT60 Connector

RIVER 600

Solar MC4 parallel connection cable

* Users need to buy the solar panels and related parallel connection accessories on their own.

SOLAR PANEL-21.6V X2

RIVER Extra Battery

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Introducing RIVER Extra Battery _ Specifications

General Info	
Net Weight	5.5 lbs (2.5kg)
Dimension	11.2 x 7 x 2.3 in (28.5 x 18 x 5.9 cm)
Charge Temperature	32-113°F +/- 5°F (0-45°C +/- 3°C)
Discharge Temperature	-4-140°F +/- 5°F (-20-60°C +/- 3°C)
Color	Black
Warranty	24 months
Battery Info	
Capacity	288Wh (28.8V)
Cell Chemistry	Lithium-ion
Shelf Life	1 year (after fully charging the device)
Life Span	500 Cycles to 80%+ capacity
Testing and certification	UL Standard CE FCC RoHS

Introducing RIVER Extra Battery _ Selling points

- ## Double Capacity From 288Wh to 576Wh

The EcoFlow RIVER Extra Battery is designed to integrate with EcoFlow RIVER to increase the energy capacity of the unit. You can easily double the capacity of the EcoFlow RIVER from 288Wh to 576Wh by attaching the EcoFlow RIVER Extra Battery to the main model. <u>The EcoFlow RIVER Extra Battery CANNOT be used alone.</u> You will need to install the module on EcoFlow RIVER to use.

- ## EcoFlow RIVER + EXTRA BATTERY = EcoFlow RIVER MAX

After integrating the Extra Battery to EcoFlow RIVER, you will get the EcoFlow RIVER Bundle which is monitored and managed as a whole by the BMS of the main model. It provides a cost-effective solution to upgrade your EcoFlow RIVER in terms of storage. With a capacity of 576Wh, the EcoFlow RIVER Bundle provides enough juice to run essential devices for hours, depending on the actual output.

RIVER **(288Wh)** + RIVER Extra Battery **(288Wh)** = RIVER Max **576Wh**

What RIVER + Extra Battery Can Power?

HOME BACKUP   + MORE

Light	CPAP Machine	Refrigerator	Blender
10W	40W	150W	300W
50 Hours(DC) **17** Hours(AC)	**10-20** Hours	**3-6** Hours	**1.2-1.6** Hours

Television	Projector	Hair Dryer	Coffee Maker
110W	65W	1200W	1000W
2-4 Hours	**6** Hours	**0.8-1.6** Hours	**21-25** Cups

OFF-GRID LIFE   + MORE

Phone	Macbook Air	GoPro	Switch
11Wh	49.9Wh	7.7Wh	16Wh
42 Times	**10** Times	**66** Times	**30** Times

Drone	Electric kettle	Electric Frying Pan	Rice Cooker
60Wh	1200W	1200W	1000W
6+ Times	**0.8** Hours	**0.8** Hours	**0.8** Hours

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How to install RIVER Extra Battery

How to install RIVER Extra Battery

1. Please make sure that the EcoFlow RIVER is turned off. Take out the **screwdriver** from the extra battery module kit and locate the four screws on the bottom cover.

Note: Please pay attention to prevent static electricity during the installation process.

2. Please remove the **4 screws** and the **bottom cover**. The extra battery module should be positioned as shown in the figure.

3. Align the male and female **battery sockets** and connect them. Close the bottom cover. Take the four long screws from the kit and screw them on the screw mouth.
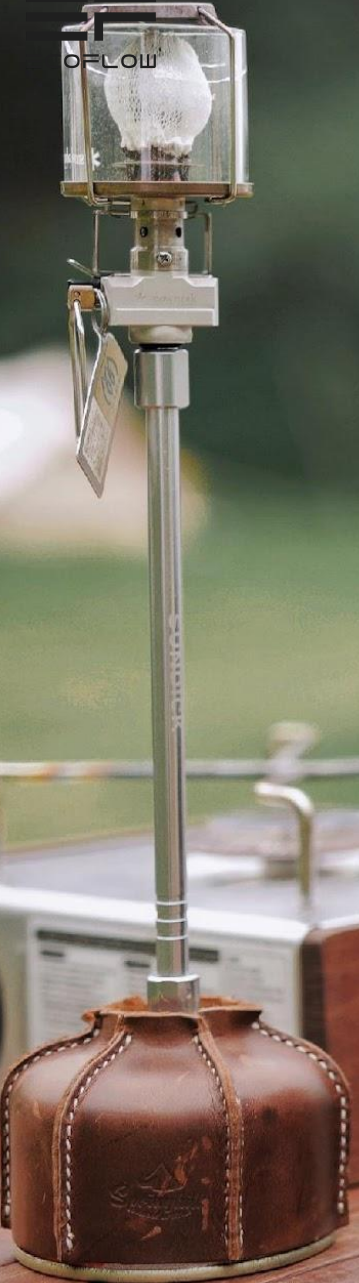
4. Put the EcoFlow RIVER upright and turn it on. The extra battery's ambient light will turn on. If the extra battery module **indicator light** is shown on the EcoFlow RIVER 's display, it is activated successfully. If the ambient light or the extra battery module indicator light is not active, repeat the installation steps and then check the connection.

RIVER Max Training Guide

2021

Introducing RIVER Max _ Specifications

General Info	
Net Weight	*17 lbs (7.7kg)
Dimension	*11.3 x 7.3 x 9.96 in (28.8 x 18.5 x 25.3 cm)
Charge Temperature	32-113°F +/- 5°F (0-45°C +/- 3°C)
Discharge Temperature	-4-140°F +/- 5°F (-20-60°C +/- 3°C)
Color	Cyber Black
Warranty	24 months
Charging	
Charge Method	AC Wall Outlet, 12V Car Adaptor, Solar Panel
Full Recharge Time	1.6 Hours (AC) 6.5 Hours (12/24V Car Adaptor) 3-6 Hours (Using 2x110W Solar Panels simultaneously with full sun) 4.8-9.6 Hours (Using 1x160W Solar Panel with full sun)
Battery Info	
Capacity	576Wh (28.8V)
Cell Chemistry	Lithium-ion
Shelf Life	1 year (after fully charging the device)
Cycle Life	500 cycles to 80%+ capacity
Management Systems	BMS, Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
Testing and certification	UL Standard, CE, FCC, RoHS,

Input Ports	
AC Charge Input Power	X-Stream Charge 500W Max
AC Charge Input Voltage	100-120Vac(50Hz/60Hz); International Version 220-240Vac(50Hz/60Hz)
Solar Charge Input	200W 10-25V DC 12A Max
Car Charger	12V DC 10A Max
Output Ports	
AC Output (x3)	600W (Surge 1200W) total,120Vac(50Hz/60Hz)
USB-A Output (x2)	5V DC, 2.4A, 12W Max, per port
USB-A Fast Charge (x1)	5V DC, 9V DC, 12V DC, 2.4A, 28W Max
USB-C Output (x1)	5V DC, 9V DC, 12V DC, 15V DC, 20V DC, 5A, 100W Max
Car Power Output (x1)	136W, 13.6V DC, 10A Max
DC5521 Output (x2)	13.6V DC, 3A Max, per port

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# Introducing RIVER Max _ The best selling points

3 x 600W AC Outlets And 576Wh Capacity

The EcoFlow RIVER Max has 3 AC outlets and a capacity of 576Wh, providing multiple users with incredible power for all of your favorite devices.

The RIVER Max can power up to 10 devices simultaneously with multiple outlet options, can power some devices up to 1800W with the X-Boost mode on, which lets you power about 80% of essential devices like kitchen appliances and DIY tools.
*Use devices below 1200W for the best product use.

Introducing RIVER Max _ The best selling points
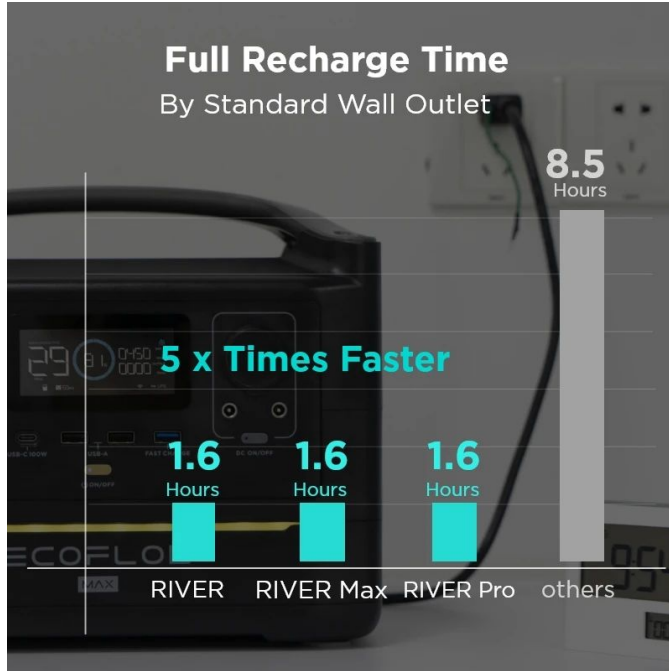
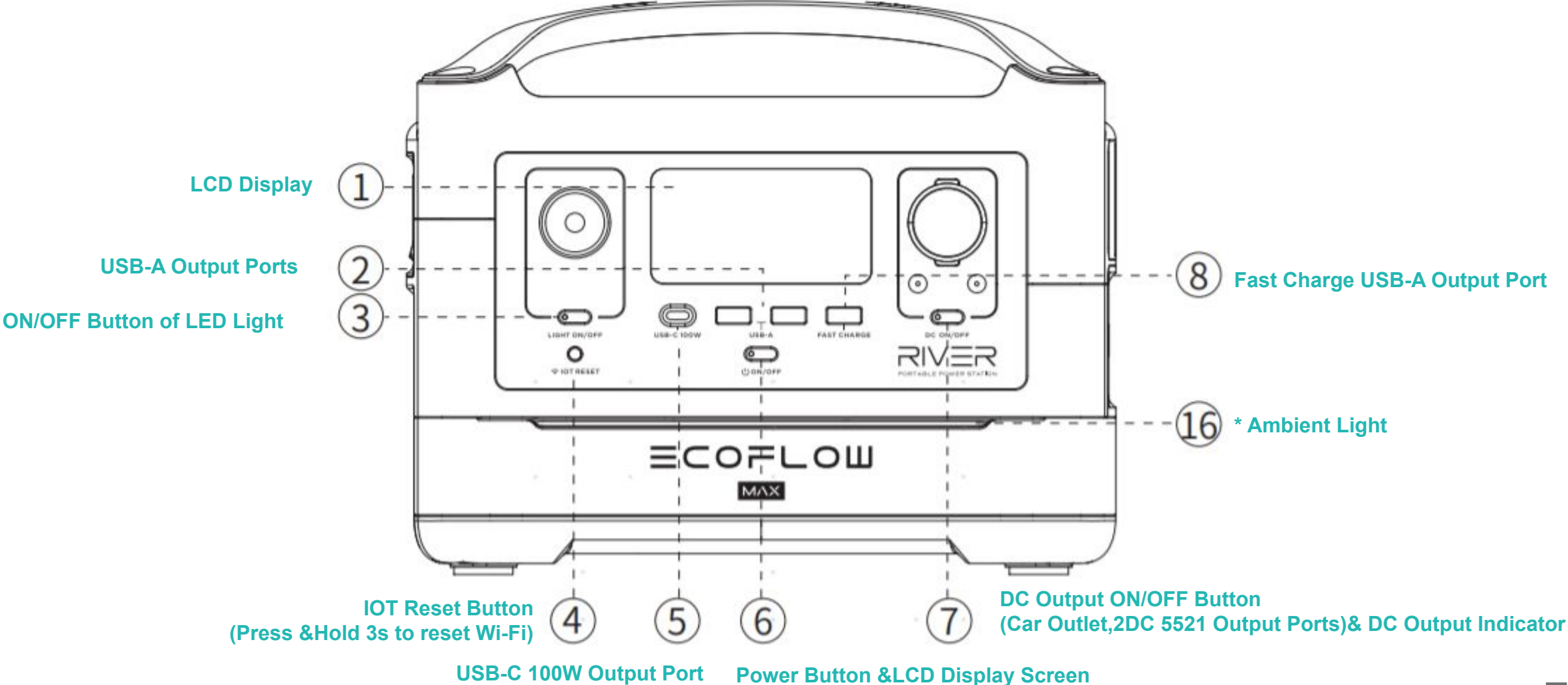## Recharge From 0-80% Within 1 Hour

EcoFlow X-Stream Charge technology recharges the power station from 0-80% within one hour, which is one of the fastest recharging rates on the market. Quiet Charging can be enabled from the EcoFlow app.
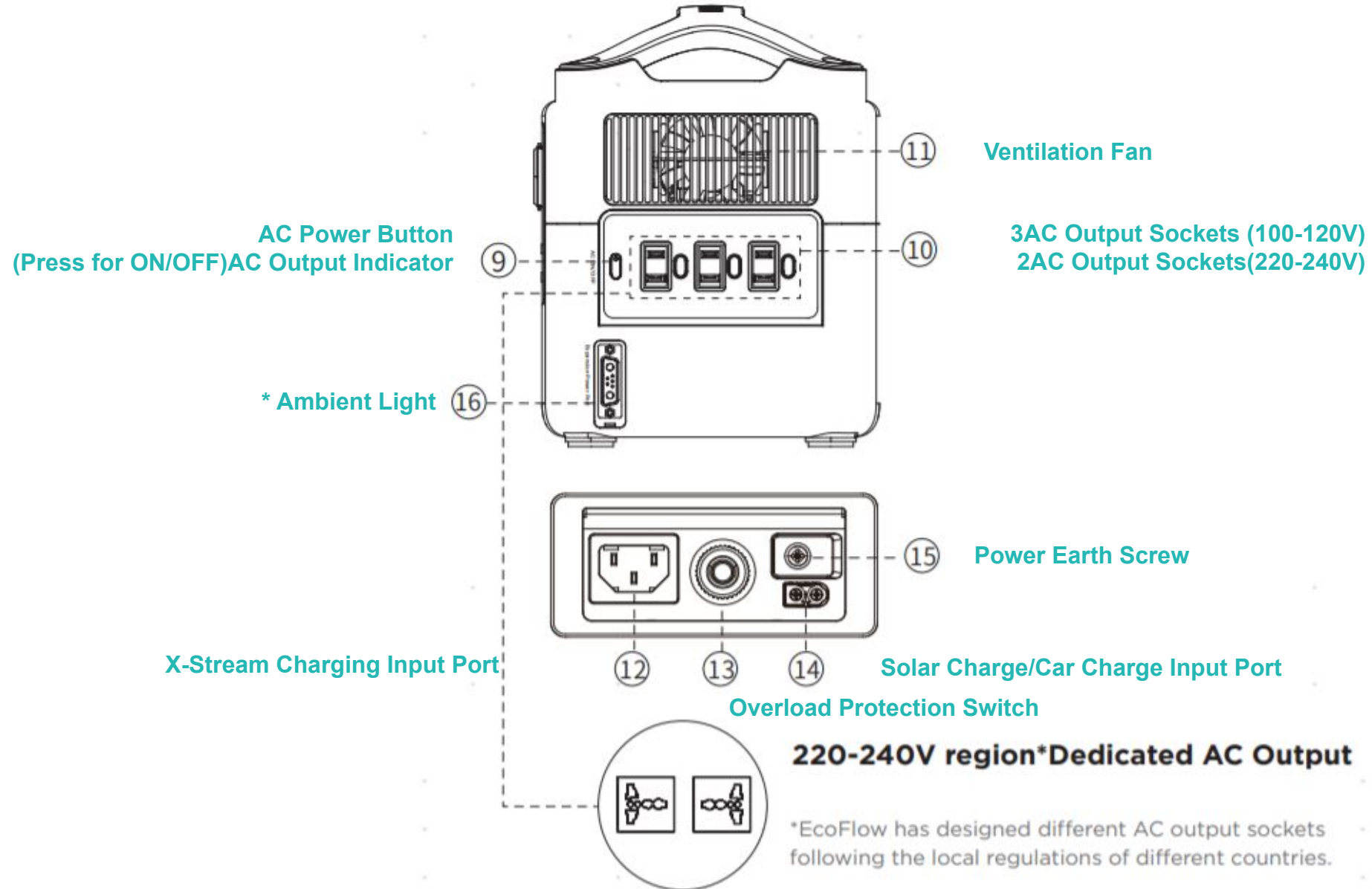

Modular Design

The unique modular design gives you the freedom to adjust the power and portability of the EcoFlow RIVER Max within seconds.

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Introducing RIVER Max _ Features

LCD Display ①

USB-A Output Ports ②

ON/OFF Button of LED Light ③

⑧ **Fast Charge USB-A Output Port**

⑯ *** Ambient Light**

**IOT Reset Button
(Press &Hold 3s to reset Wi-Fi)** ④

⑤

⑥

⑦ **DC Output ON/OFF Button
(Car Outlet,2DC 5521 Output Ports)& DC Output Indicator**

USB-C 100W Output Port

Power Button &LCD Display Screen

Introducing RIVER Max _ Features

Ventilation Fan (11)

AC Power Button
(Press for ON/OFF)AC Output Indicator (9)

3AC Output Sockets (100-120V)
2AC Output Sockets(220-240V) (10)

* Ambient Light (16)

Power Earth Screw (15)

X-Stream Charging Input Port (12)

Solar Charge/Car Charge Input Port (14)

Overload Protection Switch (13)

220-240V region*Dedicated AC Output

*EcoFlow has designed different AC output sockets
following the local regulations of different countries.

Introducing RIVER Max _ Features
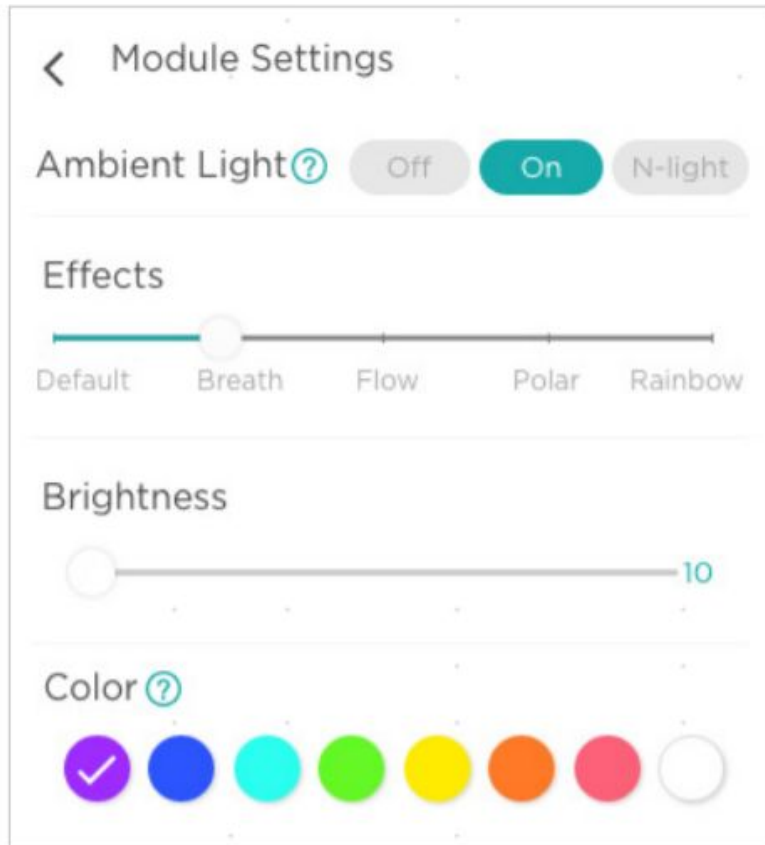
Ambient Light

1. Status Signals

Powering up: The blue light will move from the middle to the sides

Powering down: The blue light will move from the sides to the middle.

Charging: The blue light will move from left to right repeatedly.

Introducing RIVER Max _ Features

Ambient Light

2. Customizing

Click the Module Settings to set various functions.

1. You can set up to turn on/off the ambient light or keep the light always on (the ambient light can also be on in standby mode).

2. You can select the color you prefer.

3. You can adjust the brightness of the light.

4. You can also set the lighting mode. There are default mode, breathing mode, flow mode, dynamic mode and rainbow mode. Feel free to choose the color you like and enjoy the fun brought by the ambient light.

What can RIVER Max power?

HOME BACKUP   + MORE

Light 10W	**CPAP Machine** 40W	**Refrigerator** 150W	**Blender** 300W
50 Hours(DC) **17** Hours(AC)	**10-20** Hours	**3-6** Hours	**1.2-1.6** Hours
Television 110W	**Projector** 65W	**Hair Dryer** 1200W	**Coffee Maker** 1000W
4-8 Hours	**6** Hours	**0.8-1.6** Hours	**21-25** Cups

OFF-GRID LIFE   + MORE

Phone 11Wh	**Macbook Air** 49.9Wh	**GoPro** 7.7Wh	**Switch** 16Wh
42 Times	**10** Times	**66** Times	**30** Times
Drone 60Wh	**Electric kettle** 1200W	**Electric Frying Pan** 1200W	**Rice Cooker** 1000W
6+ Times	**0.8** Hours	**0.8** Hours	**0.8** Hours

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What's in the box?

RIVER Max

1.5m AC Charging Cable

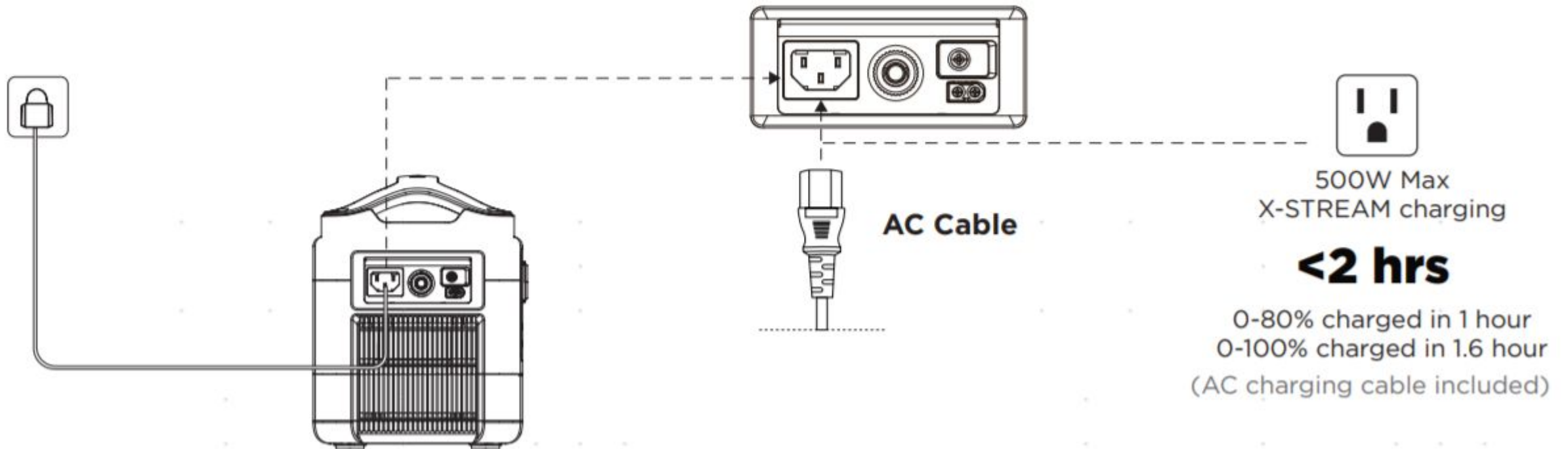1.5m Car Charging Cable

1.5m MC4 to XT60 Solar Charging Cable

DC5521-DC5525 Cable

User Manual
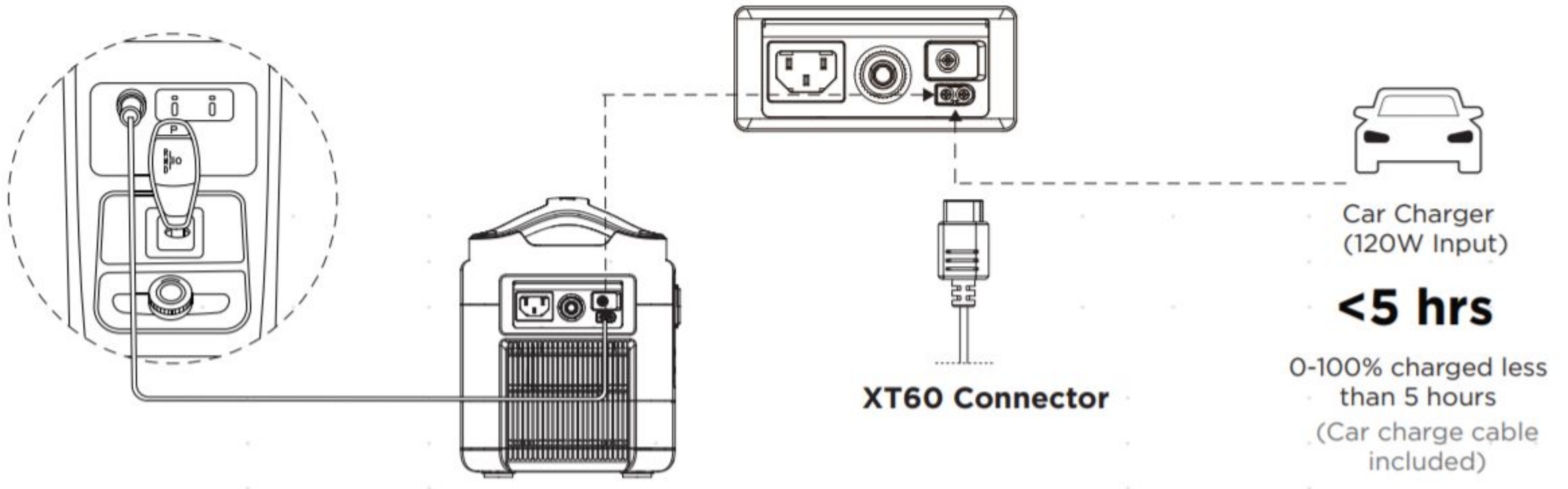
How to recharge RIVER Max ?

Example 1: **recharge by AC cable**

AC Cable

500W Max
X-STREAM charging

<2 hrs

0-80% charged in 1 hour
0-100% charged in 1.6 hour

(AC charging cable included)

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How to recharge RIVER Max ?

Example 2: recharge by a car charge cable

XT60 Connector

Car Charger
(120W Input)

<5 hrs

0-100% charged less
than 5 hours

(Car charge cable
included)

How to recharge RIVER Max ?

Example 3: connect a solar panel

RIVER 600 MAX Charging Port
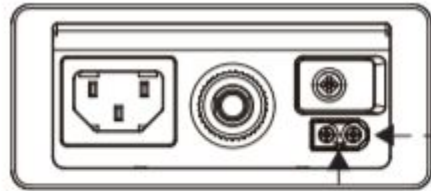
XT60 Connector

MC4 Connector
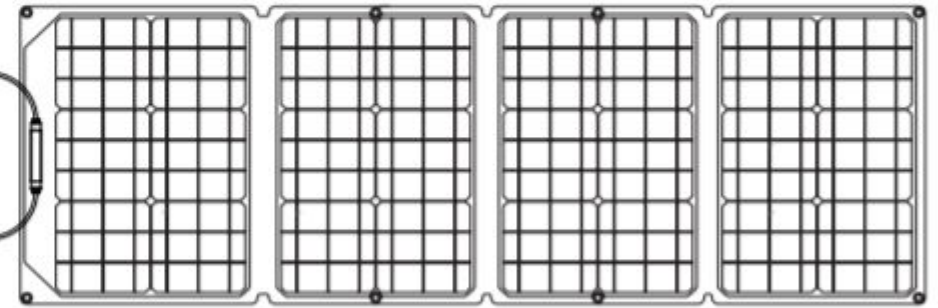
RIVER 600 MAX

SOLAR PANEL-21.6V

How to recharge RIVER Max ?

Example 4: connect up to 2 sets of solar panels in parallel
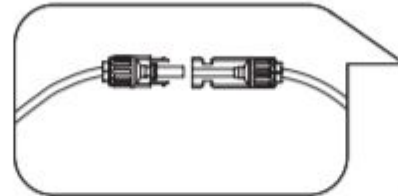**(Only supports parallel connection, NOT serial connection)**

RIVER 600 MAX Charging Port

XT60 Connector

RIVER 600 MAX

Solar MC4 parallel connection cable

* Users need to buy the solar panels and related parallel connection accessories on their own.

SOLAR PANEL-21.6V X2

RIVER Pro Training Guide

2021

Introducing RIVER Pro _ Specifications
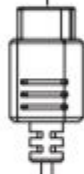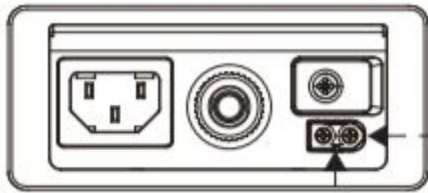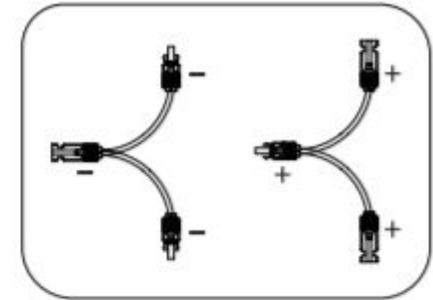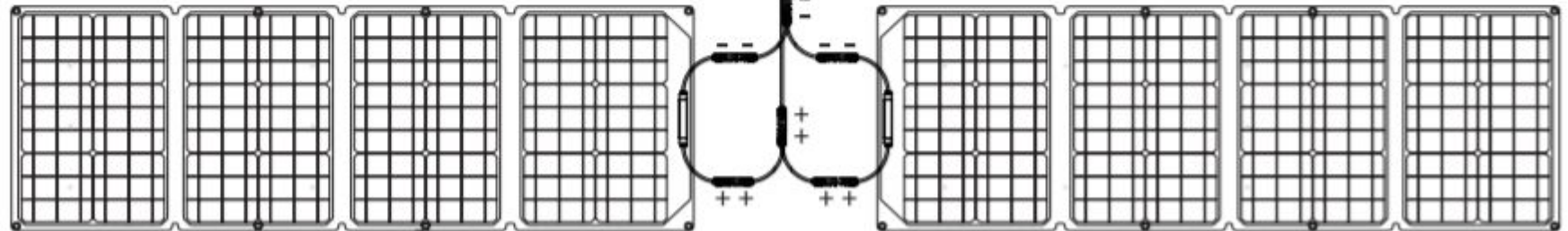
General Info	
Net Weight	*15.9 lbs (7.2kg)
Dimension	*11.4 x 7.1 x 9.3 in (28.9 x 18.0 x 23.5 cm)
Charge Temperature	32-113°F +/- 5°F (0-45°C +/- 3°C)
Discharge Temperature	-4-140°F +/- 5°F (-20-60°C +/- 3°C)
Color	Cyber Black
Warranty	24 month
Charging	
Charge Method	AC Wall Outlet, 12V Car Adaptor, Solar Panel
Full Recharge Time	1.6 Hours (AC) 6.5 Hours (12/24V Car Adaptor) 4.5-9 Hours (Using 2x110W Solar Panels in parallel with full sun) 7.5-15 Hours (Using 1x160W Solar Panel with full sun)
Battery Info	
Capacity	720Wh (28.8V)
Cell Chemistry	Lithium-ion
Shelf Life	1 year (after fully charged)
Cycle Life	800 cycles to 80%+ capacity
Management Systems	BMS, Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
Testing and certification	UL Standard, CE, FCC, RoHS,

Input Ports	
AC Charge Input Power	X-Stream Charge 660W Max
AC Charge Input Voltage	100-120Vac(50Hz/60Hz); International Version 220-240Vac(50Hz/60Hz)
Solar Charge Input	200W 10-25Vdc 12A Max
Car Charger	12Vdc 10A Max
Output Ports	
AC Output (x3)	600W (Surge 1200W) total,120Vac(50Hz/60Hz)
USB-A Output (x2)	5Vdc, 2.4A, 12W Max, per port
USB-A Fast Charge (x1)	5Vdc, 9Vdc, 12Vdc, 2.4A, 28W Max
USB-C Output (x1)	5Vdc, 9Vdc, 12Vdc, 15Vdc, 20Vdc, 5A, 100W Max
Car Power Output (x1)	136W, 13.6Vdc, 10A Max
DC5521 Output (x2)	13.6Vdc, 3A Max, per port

EF ECOFLOW

Introducing RIVER Pro _ The best selling points
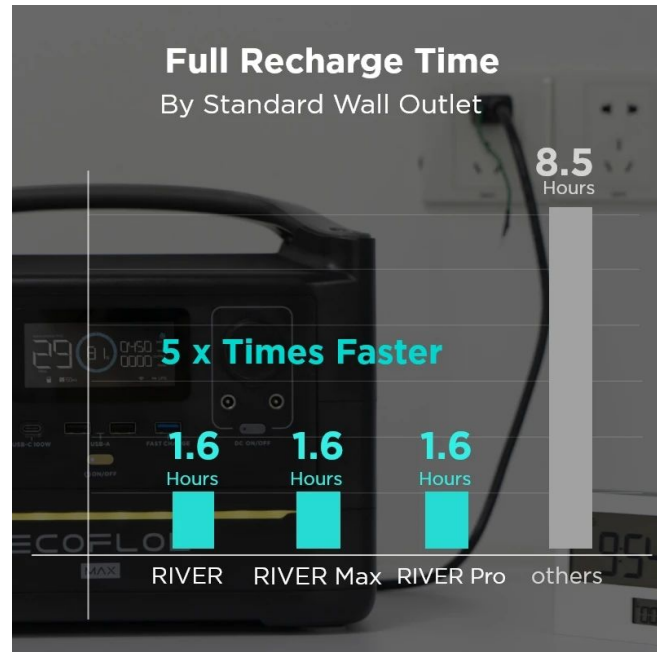

3 x 600W AC Outlets And 720Wh Capacity

The RIVER Pro can <u>power up to 10 devices simultaneously</u> with multiple outlet options, including <u>3 pure sine wave AC outlets</u>.

It offers up to 720Wh power and it weighs just 15.9lbs, which makes it a portable power source for adventure on the go.

ECOFLOW

Introducing RIVER Pro _ The best selling points

Full Recharge Time
By Standard Wall Outlet

8.5 Hours

5 x Times Faster

1.6 Hours   1.6 Hours   1.6 Hours

RIVER   RIVER Max   RIVER Pro   others

X-Boost Technology

Recharge From 0-80% Within 1 Hour

The patented EcoFlow X-Stream technology enables you to charge the RIVER Pro from 0%-80% within one hour and offers a full charge in just 1.6 hours.

Power A Wide Range Of Appliances

The RIVER Pro can power some devices up to 1800W with the X-Boost mode on, which lets you power about 80% of essential devices like kitchen appliances and DIY tools.

*Use devices below 1200W for the best product use.

ECOFLOW

Introducing RIVER Pro _ The best selling points

Compact and Portable

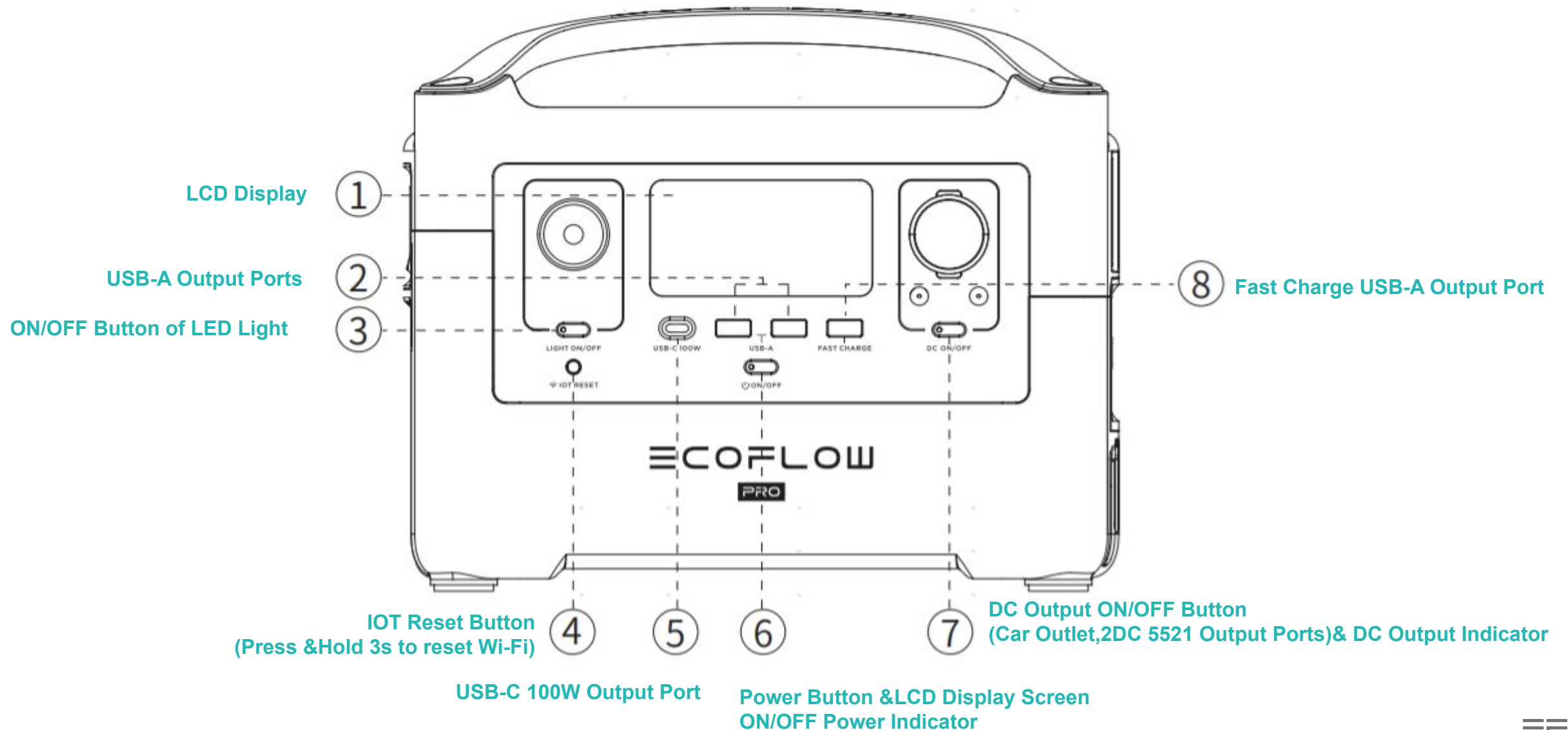Weighing just 15.9 lbs, the RIVER Pro features an easy-to-carry handle, which makes it portable and easy to transport. It can easily fit in a car trunk, on a campsite, or indoors, giving you the power to take your adventure anywhere.

Smart Solar Charging

The RIVER Pro can be charged with two 110W solar panels connected in parallel in 4.5 to 9 hours, which gives you the freedom to enjoy clean energy wherever you are.

Introducing RIVER Pro _ Features

LCD Display — ①

USB-A Output Ports — ②

ON/OFF Button of LED Light — ③

⑧ — **Fast Charge USB-A Output Port**

LIGHT ON/OFF   USB-C 100W   USB-A   FAST CHARGE   DC ON/OFF

IOT RESET   ON/OFF

ECOFLOW
PRO

**IOT Reset Button
(Press &Hold 3s to reset Wi-Fi)** — ④

⑤   ⑥   ⑦

**DC Output ON/OFF Button
(Car Outlet,2DC 5521 Output Ports)& DC Output Indicator**

USB-C 100W Output Port

**Power Button &LCD Display Screen
ON/OFF Power Indicator**

ECOFLOW

Introducing RIVER Pro _ Features

- (11) Ventilation Fan
- AC Power Button (Press for ON/OFF)AC Output Indicator (9)
- (10) 3AC Output Sockets (100-120V) / 2AC Output Sockets(220-240V)
- Expansion Power Port (16)
- (15) Power Earth Screw
- X-Stream Charging Input Port (12)
- (13) Overload Protection Switch
- (14) Solar Charge/Car Charge Input Port

220-240V region*Dedicated AC Output

*EcoFlow has designed different AC output sockets following the local regulations of different countries.

EF ECOFLOW

What can RIVER Pro power?

HOME BACKUP   + MORE

Light 10W 64 Hours(DC) 22 Hours(AC)	**CPAP Machine** 40W 12-22 Hours	**Refrigerator** 150W 4-8 Hours	**Blender** 300W 2-4 Hours
Television 110W 5-10 Hours	**Projector** 65W 7.5 Hours	**Hair Dryer** 1200W 0.9-1.8 Hours	**Coffee Maker** 1000W 25-30 Cups

OFF-GRID LIFE   + MORE

Phone 11Wh 58 Times	**Macbook Air** 49.9Wh 13 Times	**GoPro** 7.7Wh 83 Times	**Switch** 16Wh 40 Times
Drone 60Wh 8+ Times	**Electric kettle** 1200W 0.9 Hours	**Electric Frying Pan** 1200W 0.9 Hours	**Rice Cooker** 1000W 0.9 Hours

ECOFLOW

What's in the box?

RIVER Pro

1.5m AC Charging Cable

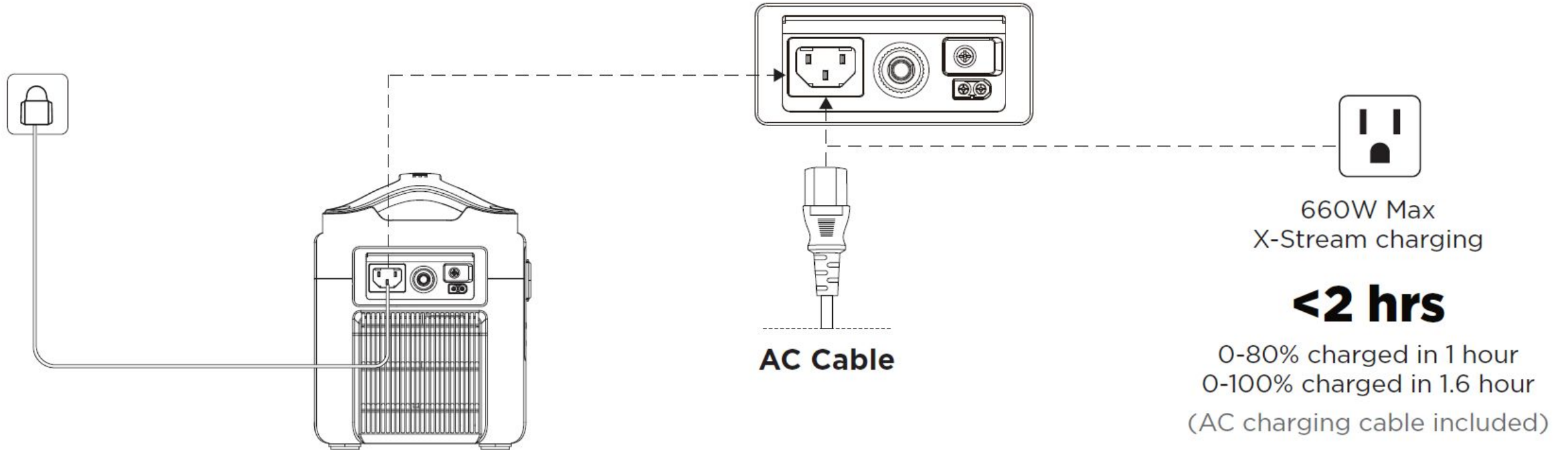1.5m Car Charging Cable

1.5m MC4 to XT60 Solar Charging Cable
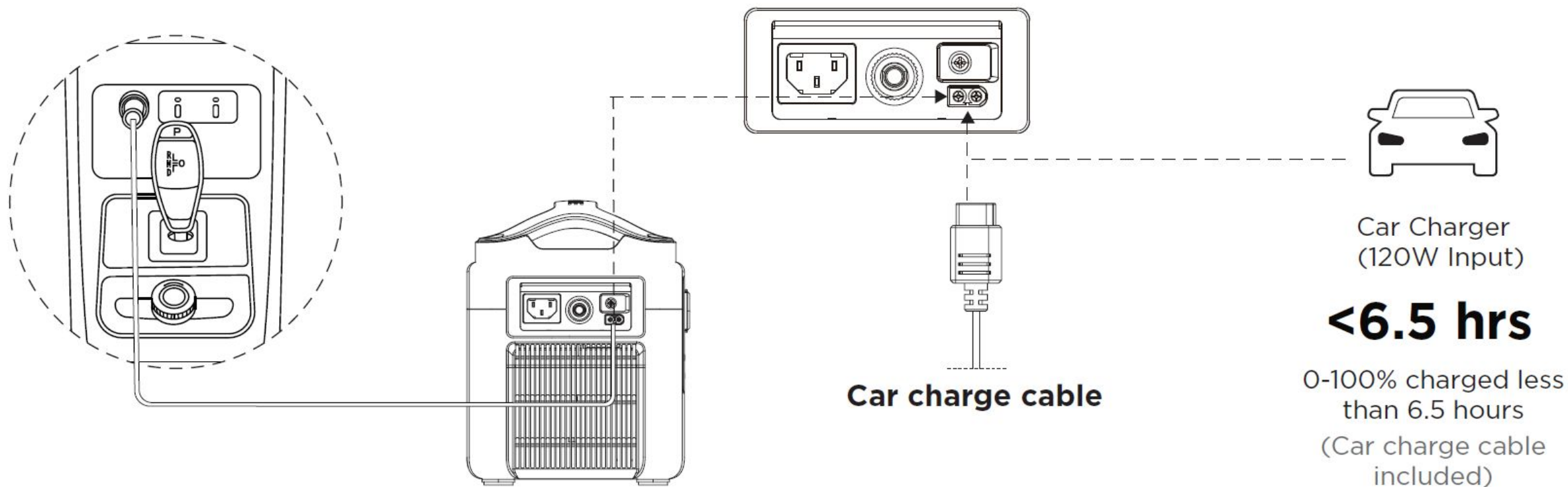

DC5521-DC5525 Cable

User Manual
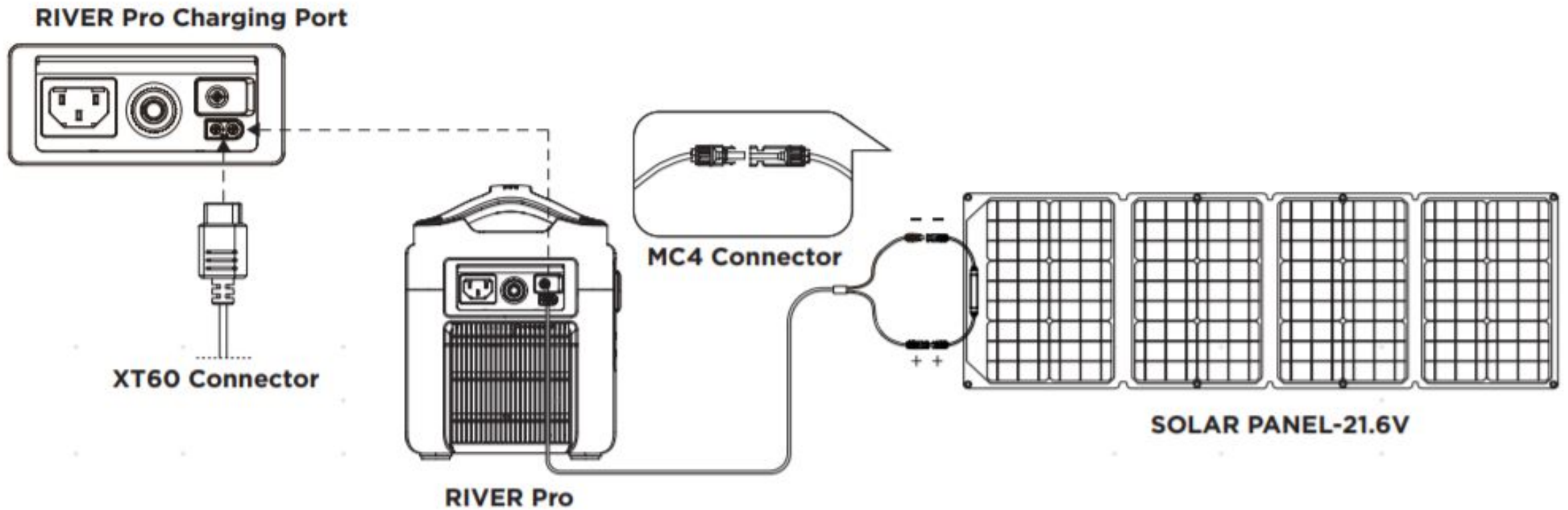
How to recharge RIVER Pro?

Example 1: **recharge by AC cable**

AC Cable

660W Max
X-Stream charging

<2 hrs

0-80% charged in 1 hour
0-100% charged in 1.6 hour

(AC charging cable included)

ECOFLOW

How to recharge RIVER Pro?

Example 2: **recharge by a car charge cable**

Car Charger
(120W Input)

<6.5 hrs

0-100% charged less
than 6.5 hours
(Car charge cable
included)

Car charge cable

How to recharge RIVER Pro?

Example 3: connect a solar panel

RIVER Pro Charging Port

XT60 Connector

MC4 Connector

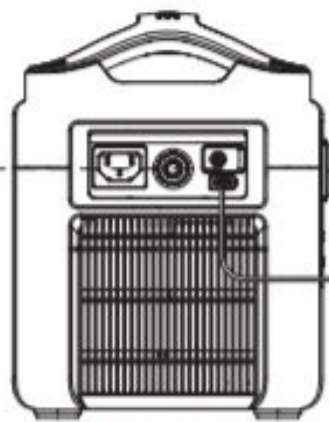**RIVER Pro**

SOLAR PANEL-21.6V

ECOFLOW

How to recharge RIVER Pro?

Example 4: connect up to 2 sets of solar panels in parallel
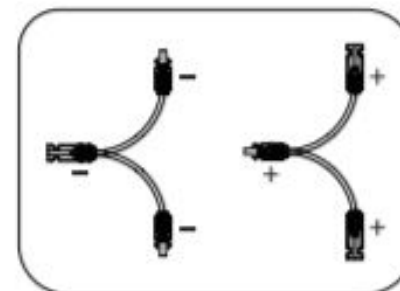**(Only supports parallel connection, NOT serial connection)**

RIVER Pro Charging Port

XT60 Connector

RIVER Pro

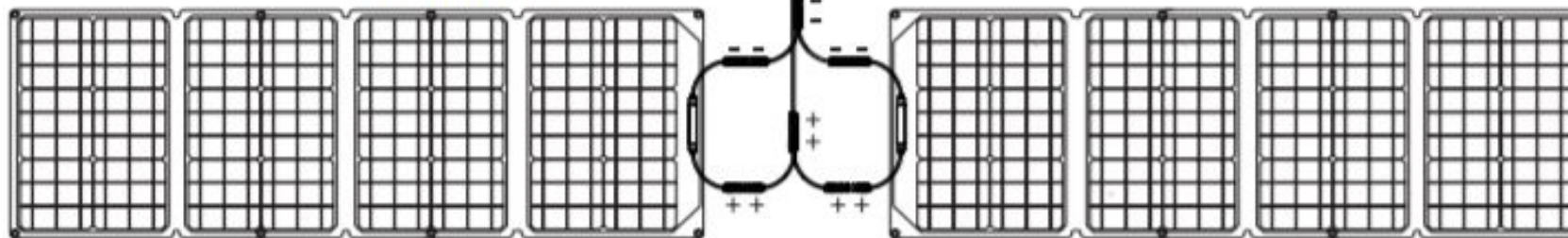**Solar MC4 parallel connection cable**

* Users need to buy the solar panels and related parallel connection accessories on their own.

SOLAR PANEL-21.6V X2

RIVER Pro Extra Battery
2021

Introducing RIVER Pro Extra Battery _ Specifications

General Info	
Net Weight	15.4 lbs (7kg)
Dimension	11.3 x 7.1 x 8.3 in (28.8 x 18 x 21 cm)
Charge Temperature	32-113°F +/- 5°F (0-45°C +/- 3°C)
Discharge Temperature	-4-140°F +/- 5°F (-20-60°C +/- 3°C)
Color	Black
Warranty	24 months
Testing and certification	UL CE FCC Rohs RCM
Battery Info	
Capacity	720Wh (28.8V)
Cell Chemistry	Lithium-ion
Cell Type	18650
Shelf Life	1 year (after fully charged)
Life Span	800 Cycles to 80%+ capacity
Input	
Expansion Power Port	33.6V, 660W Max
Outputs	
Expansion Power Port	24.4V-33.6V, 720W Max

Introducing RIVER Pro Extra Battery _ Selling points

- **Double Capacity From 720Wh to 1440Wh**

The RIVER Pro Extra Battery attaches to the RIVER Pro to double the capacity of the unit from 720Wh to 1440Wh. This provides a cost-effective way to upgrade the RIVER Pro's capacity.

- **Compact And Portable**

The RIVER Pro weighs just 15.9 lbs and the RIVER Pro Extra Battery weighs 15.4 lbs, making them both portable and easy to transport. The RIVER Pro + Extra Battery can easily fit in a car trunk, on a campsite, or indoors, giving you the power to take your adventure anywhere.

What RIVER Pro + RIVER Pro Extra Battery Can Power?

Light	CPAP Machine	Refrigerator	Blender	Phone	Macbook Air	GoPro	Switch
10W	40W	150W	300W	11Wh	49.9Wh	7.7Wh	16Wh
128 Hours(DC) 44 Hours(AC)	24-44 Hours	8-16 Hours	4-8 Hours	116 Times	26 Times	166 Times	80 Times

Television	Projector	Hair Dryer	Coffee Maker	Drone	Electric kettle	Electric Frying Pan	Rice Cooker
110W	65W	1200W	1000W	60Wh	1200W	1200W	1000W
10-20 Hours	15 Hours	1.8-3.6 Hours	50-60 Cups	16+ Times	1.8 Hours	1.8 Hours	1.8 Hours

ECOFLOW

How to connect with RIVER Pro

RIVER Pro

Capacity * 2

720Wh → 1440Wh

Connect with RIVER Pro Extra Battery using Expansion power cable

ECOFLOW

How to connect with RIVER Pro

1. Power off **BOTH** the RIVER Pro and RIVER Pro Extra Battery before attempting to connect them together.

2. Open the Power Expansion Port cover on **RIVER Pro** to access the Power Expansion Port. Connect the **Expansion Power Cable** to the RIVER Pro Expansion Power Port. Tighten the screws on the Expansion Power port securely.

3. Open the Expansion Port Cover of the **RIVER Pro Extra Battery** to access the Expansion Power Port. Connect the free end of the Expansion Power Cable to the RIVER Pro Extra Battery Power Expansion Port. Tighten the screws on the Expansion Power port securely.

4. Turn on the power button of the RIVER Pro or RIVER Pro Extra Battery. Fully charge the devices for the first time and ensure the voltage is consistent to maximize the performance. If the display of the RIVER Pro shows the **Extra Battery Icon**, the connection is successful.

How to store RIVER series?

• Store in a dry and cool place
• DO NOT place it near water
• DO NOT place it near a heat source, such as a car in direct sunlight, a fire source, or a heating stove
• For a long time storage, please discharge the battery to 30%,then charge to 85% every 3 month.

How to connect with Mobile App (only applicable for the RIVER series)

Indoor Mode
Connect to a home router (supports remote control)
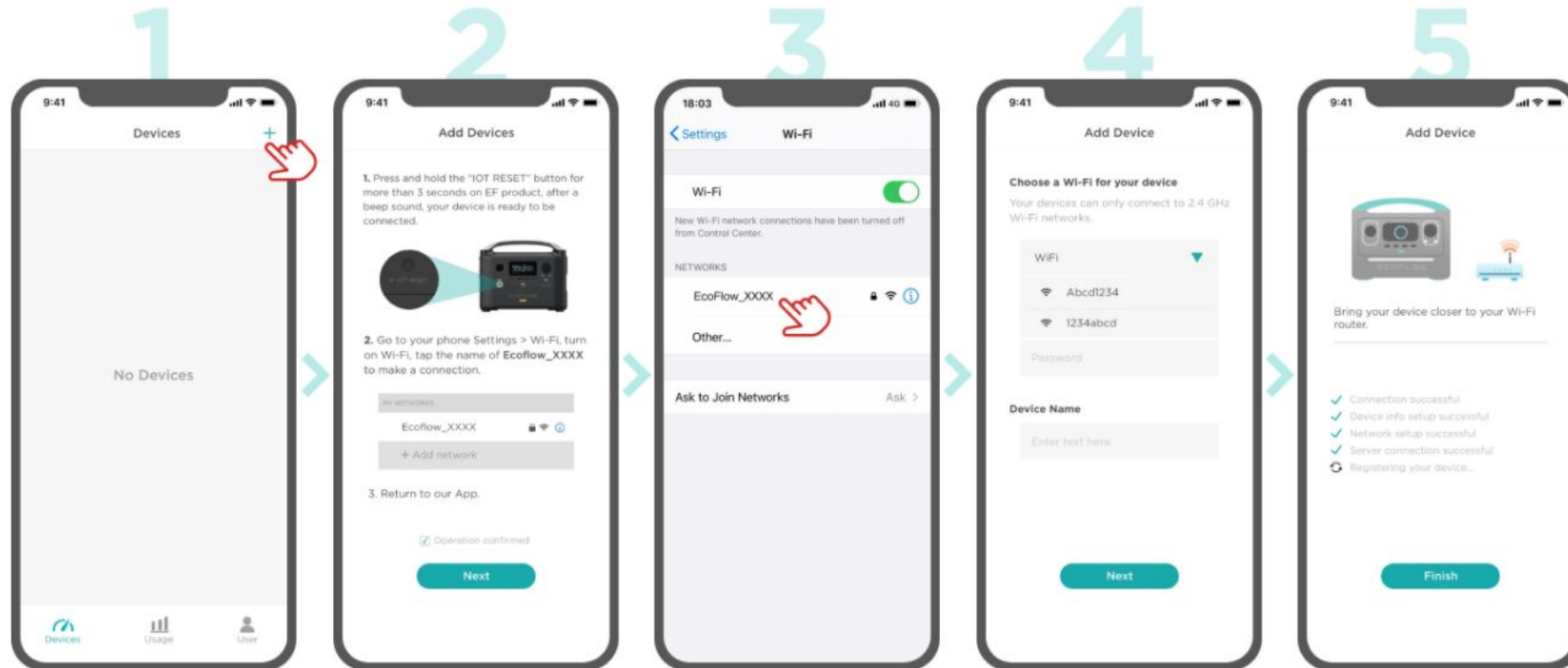
- Click the "**+**" button, which is located at the top right side of the Device interface.

- Open the "add devices" pages. Complete the device reset operation and connect to a hotspot named **EcoFlow_XXXX**. Click the checkbox to confirm the operation, and then click the "**Next**" button.

- Select the WiFi you want to connect to (the Wi-Fi needs to be able to connect to the Internet, and the device will connect to the EcoFlow server through this WiFi to provide all the remote access control functions). Enter the Wi-Fi password and device name (this name appears in the device list).

- Click the "**Next**" button again, and wait for the device to connect to the server. After the connection has been made successfully, you can view the device or set device parameters on the app.

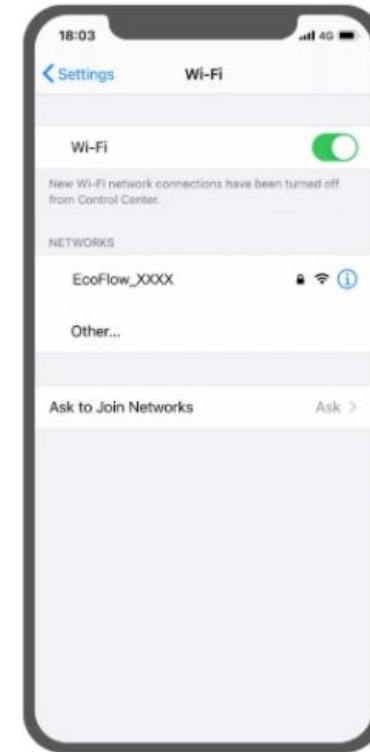# How to connect with Mobile App (only applicable for the RIVER series)

Outdoor Mode

Connecting to a nearby RIVER 600 hotspot. (Make sure the mobile phone is within the hotspot range).
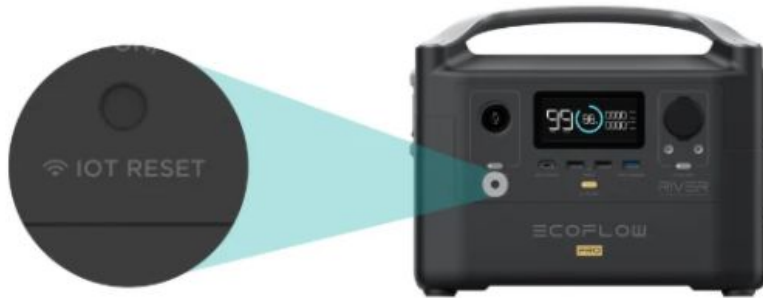
In the hotspot connection mode, a phone will directly connect to a device's hotspot, which eliminates the need to control the device through the server. This method is suitable for outdoor use in environments where there is no WiFi network.

- Press and hold the reset button on the EcoFlow device, let go after the WiFi icon starts to flash.

- Open the WiFi settings in your phone, and connect to the hotspot named **EcoFlow_XXXX**. Open the EcoFlow App; the device interface will display the connected device.

Customer Support

RIVER / RIVER Max / RIVER Pro / RIVER Extra Battery / RIVER Pro Extra Battery : <u>24 Months Warranty</u>

We hope you never have the need, but if you do, our customer service is friendly and hassle-free.

📞 |+1 800-368-8604 Mon-Fri 9am-9pm (EST)
✉ support@ecoflow.com

CLAIM YOUR WARRANTY

Warranty Activation

Activate your warranty at
http://warranty.ecoflow.com

Keep your original packaging & accessories

The returned item(s) must be packed in its original packaging (including all accessories) to enjoy your warranty

EF
ECOFLOW

DELTA Training Guide

2021

Introducing DELTA _ Specifications

General Info	
Net Weight	30.9 lbs (14kg)
Dimension	15.7 x 8.3 x 10.6 in (40 x 21 x 27 cm)
Charge Temperature	32-113°F (0-45°C)
Discharge Temperature	-4-140°F (-20-60°C)
Color	Gray & Black
Warranty	24 months
Charging	
Charge Method	AC Wall Outlet, 12V Car Adaptor, Solar Panel
Full Recharge Time	1.6 Hours (AC) 10-12 Hours (12/24V Car Adaptor) 4-8 Hours (Using 4x110W Solar Panels in parallel with full sun) 3.5-7 Hours (Using 3x160W Solar Panel with full sun)
Battery Info	
Capacity	1260Wh (50.4V)
Cell Chemistry	Lithium-ion
Shelf Life	1 year (after fully charged)
Cycle Life	800 cycles（60％）
Management Systems	BMS, Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
Testing and certification	UL CE, FCC, RoHS, PSE

Input Ports	
AC Charge Input Power	X-Stream Charge 1200W Max
AC Charge Input Voltage	100-120Vac(50Hz/60Hz); International Version 220-240Vac(50Hz/60Hz)
Solar Charge Input	400W 10-65V DC 10A Max
Car Charger	12V/24V DC 10A Max
Output Ports	
AC Output (x6)	1800W (Surge 3300W) total,120Vac(60Hz)
USB-A Output (x2)	5V DC, 2.4A, 12W Max, per port
USB-A Fast Charge (x2)	5V DC, 9V DC, 12V DC, 2.4A, 28W Max, per port
USB-C Output (x2)	5V DC, 9V DC, 15V DC, 20V DC, 3A, 60W Max, per port
Car Power Output (x1)	108.8W, 13.6V DC, 8A Max

EF ECOFLOW

Introducing DELTA

Recharge DELTA 0 to 80% In One Hour
The Fastest Recharge Rate X-STREAM Technology

1.6 Hrs (to full)
AC Outlet
(From 0-80% in 1 hour)

1.6 Hrs
Pure Sine Wave Generator

4-8 Hrs (In full sun)
ECOFLOW Solar Panel 110W * 4 Panels
(MC4 to XT60 Connector Included)

10 Hrs
Car Charge (130W Max)
(Car Charge Cable Included)

Car Charger /
Solar Input
65V 10A MAX!

INPUT

Overload Protection
Switch

AC Outlet Input
100-120Vac
(50Hz/60Hz) ONLY!

Recharge 0%-80% Within 1 Hour

EcoFlow patent X-Stream Technology empowers EcoFlow DELTA to recharge at **10 times** the speed of most portable power stations in the market

ECOFLOW

Introducing DELTA

6x1800W AC Outlets, 2x60W USB-C

① USB-A*2: 12W
② Fast-Charge*2: 28W
③ USB-C*2: 60W
④ DC ON/OFF Switch

⑤ Power ON/OFF Button
⑥ AC Output*6: 1800W/3300W Peak
⑦ AC ON/OFF Switch
⑧ Car Port: 13.6V, 8A max

6x 1800W AC Outlets & 1260Wh Capacity

The large inverter load enables EcoFlow DELTA to power most home appliances and heavy-duty DIY tools under 1800W (3300W Surge, Pure Sine Wave) with 1260Wh capacity

ECOFLOW

Introducing DELTA

Fastest Recharge By Solar And Car

EcoFlow DELTA can be fully recharged by solar panels in about 4 hours, and fully charged through a 12/24V car port < 10 hours.

Introducing DELTA

Power 13 Devices Simultaneously

EcoFlow DELTA fits with every port you'll ever need to power any devices anywhere, so you will always feel right at home.
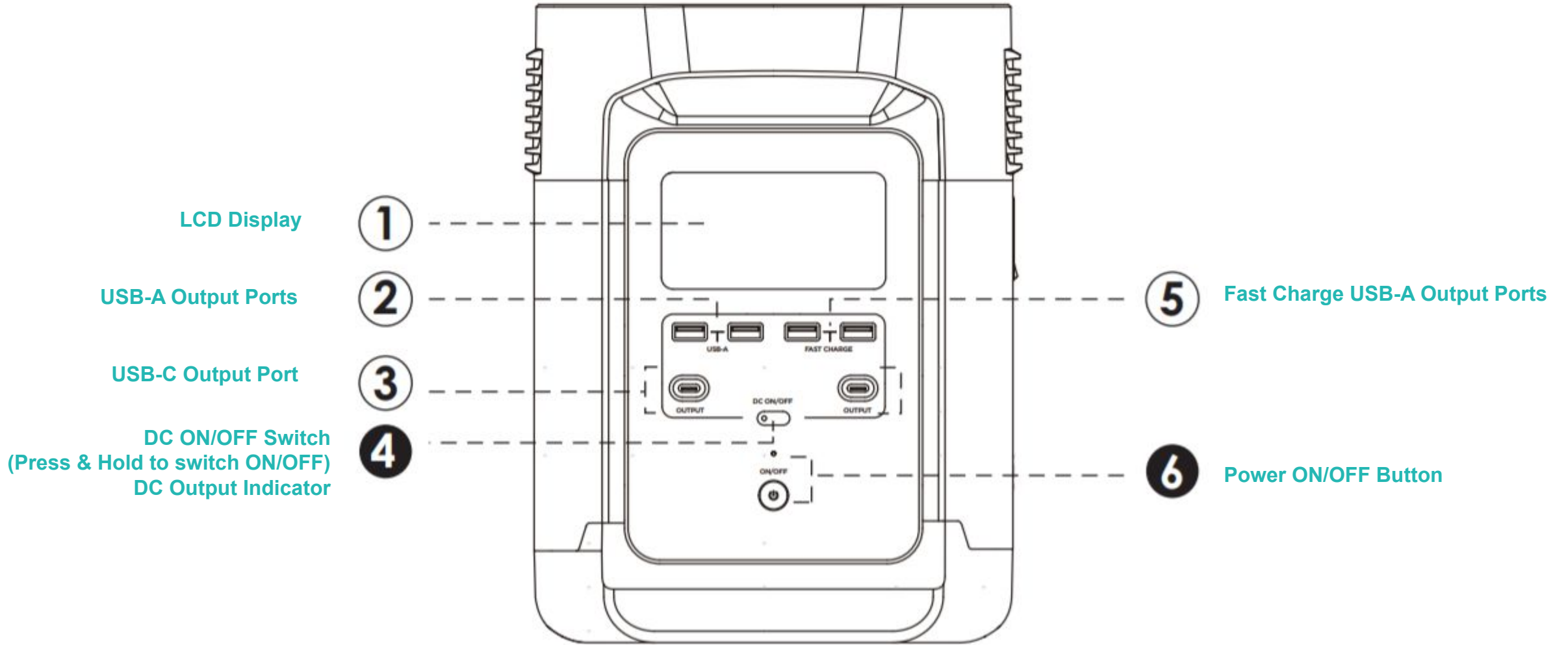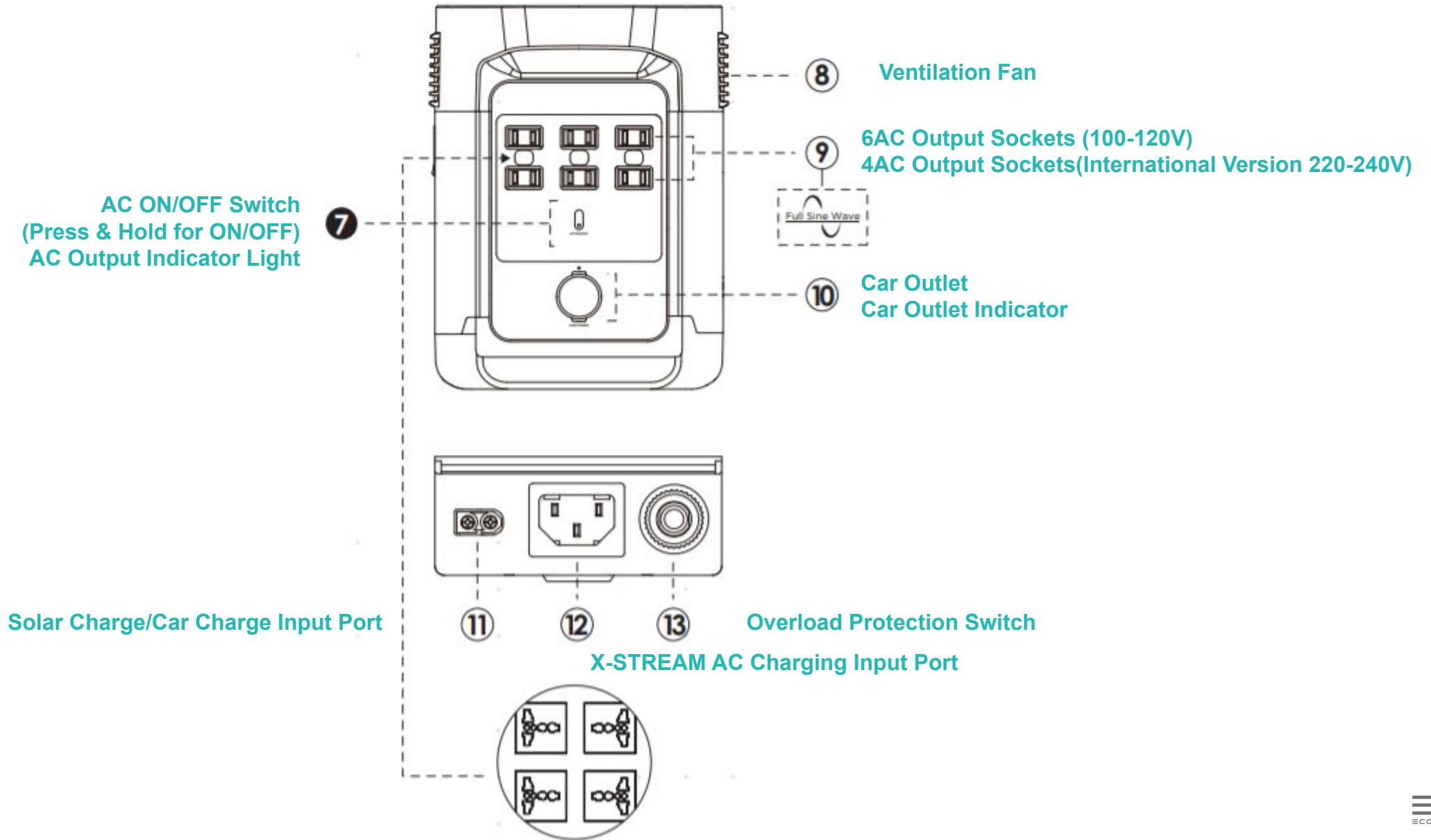
Introducing DELTA

Meet Standard of Any Wall Outlets

With an enormous energy storage capacity of 1260Wh, DELTA can run fridges, lights, medical devices, and other essentials with a flip of a switch.

Introducing DELTA _ Features

LCD Display — ①

USB-A Output Ports — ②

USB-C Output Port — ③

DC ON/OFF Switch
(Press & Hold to switch ON/OFF)
DC Output Indicator — ④

⑤ — **Fast Charge USB-A Output Ports**

⑥ — **Power ON/OFF Button**

USB-A   FAST CHARGE

OUTPUT   DC ON/OFF   OUTPUT

ON/OFF

ECOFLOW

Introducing DELTA _ Features

8 Ventilation Fan

9 6AC Output Sockets (100-120V)
4AC Output Sockets(International Version 220-240V)

Full Sine Wave

7 AC ON/OFF Switch
(Press & Hold for ON/OFF)
AC Output Indicator Light

10 Car Outlet
Car Outlet Indicator

11 Solar Charge/Car Charge Input Port

12 X-STREAM AC Charging Input Port

13 Overload Protection Switch

ECOFLOW

What can DELTA power?

HOME BACKUP

+ MORE

Light	CPAP	Fridge	Microwave Oven
10W	40W	150W	1000W
36+ Hours	**18-22** Hours	**7-10** Hours	**1-1.8+** Hours

WASHER	Television	Hair Dryer	Coffee Maker
(500-1000W)	110W	1600W	600W
2+ Hours	**9-18** Hours	**0.6-3.3** Hours	**50-60** Cups

OFF-GRID LIFE

+ MORE

Phone	Laptop	Camera	Drone
3Ah	60W	18Wh	60Wh
100+ Times	**16+** Hours	**63+** Times	**16+** Times

Electric Vehicle	Blender	Electric Fry Pan	Electric Grill
1800W	400W(850W)	1500W	1650W
5-7 Km	**2.5+** Hours	**0.7-1.5** Hours	**0.6-1.2** Hours

PROFESSIONAL

+ MORE

Circular Saw	Drain Cleaner	Welding machine	Drills
1400W	250W	1800W	1080W
0.7-1.4 Hours	**4-5** Hours	**0.5-0.6** Hours	**1-2** Hours

Bench Grinder	Concrete Vibrator	Air Compressor	Hammer
1400W	840W	975W	1260W
0.7-1.4 Hours	**1.2-2.4** Hours	**1** Hour	**0.8-1.6** Hours

What's in the box?

DELTA

DELTA Bag
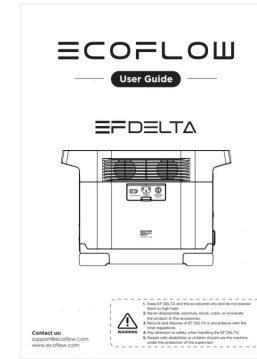
User Manual

1.5m AC Charging Cable

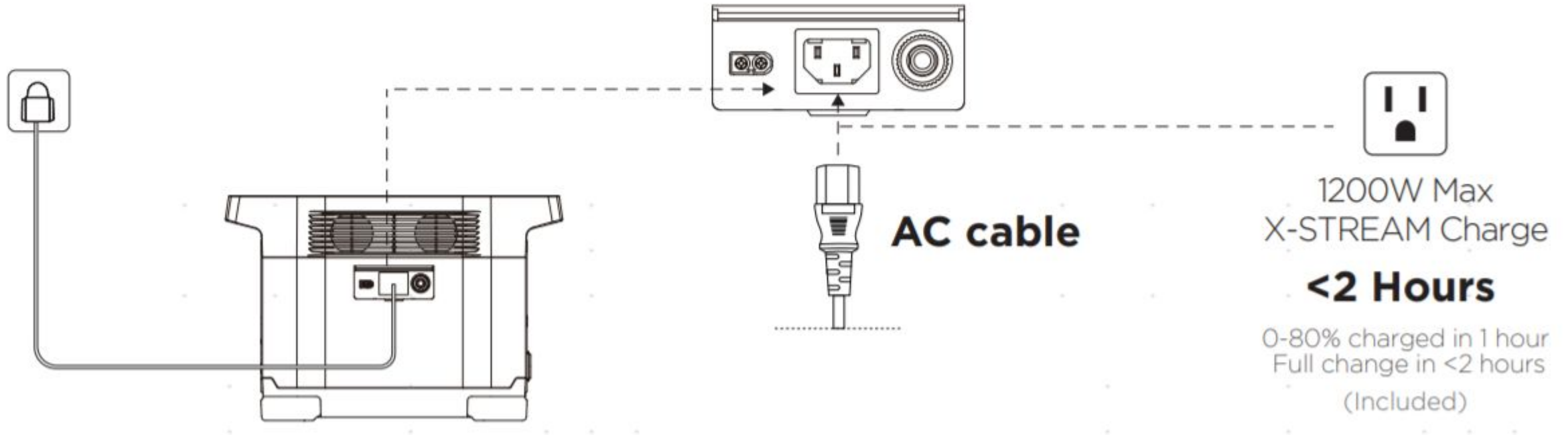

1.5m Car Charging Cable

3.5m MC4 to XT60 Solar Panel Charging Cable

ECOFLOW

How to recharge DELTA ?

Example 1 : recharge by AC cable

AC cable

1200W Max
X-STREAM Charge

<2 Hours

0-80% charged in 1 hour
Full change in <2 hours
(Included)

How to recharge DELTA ?

Example 2 : recharge by a car charge cable

We reommend you to start the car before connect car charger to EF DELTA.

XT60 Connector

Car Charger
(120W Input)

<10 Hours

Charging 100% time
required

(Included)
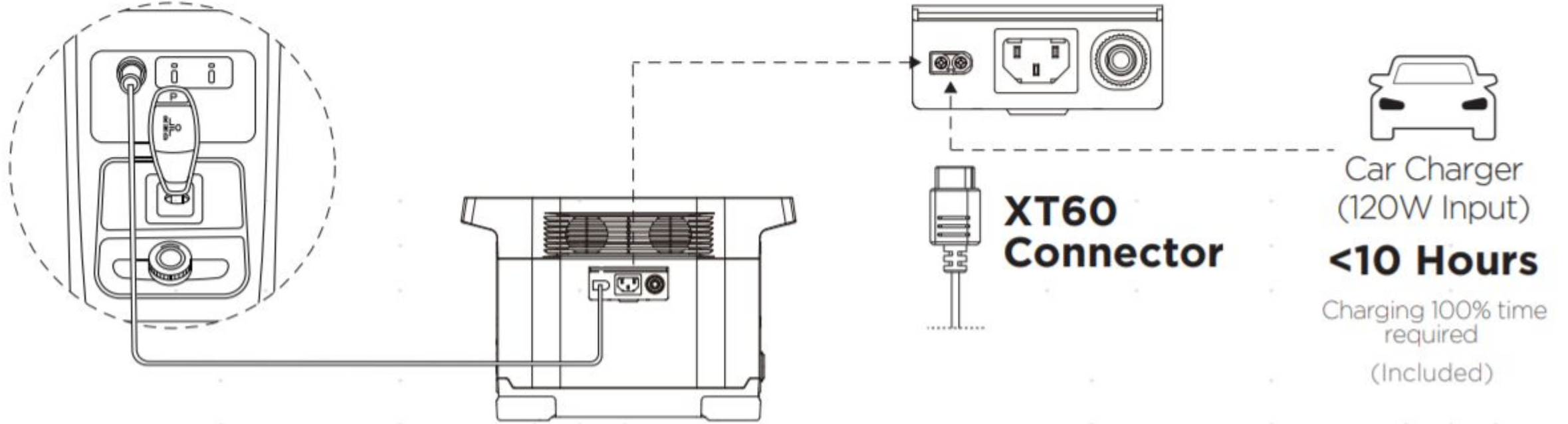
How to recharge DELTA ?

Example 3: recommended serial connection method

a. Users can connect 1 to 3 pieces of solar panels (do not connect more than 3 in series) in series as shown in the figure below, to the MC4 port.

b. Then, connect to MC4 to XT60 conversion cable.

c. Use XT60 conversion port connect to the XT60 port on EF DELTA.

EF DELTA Charging Port

MC4 Connector

XT60 Connector

EF DELTA

SOLAR PANEL-21.6V **X3**
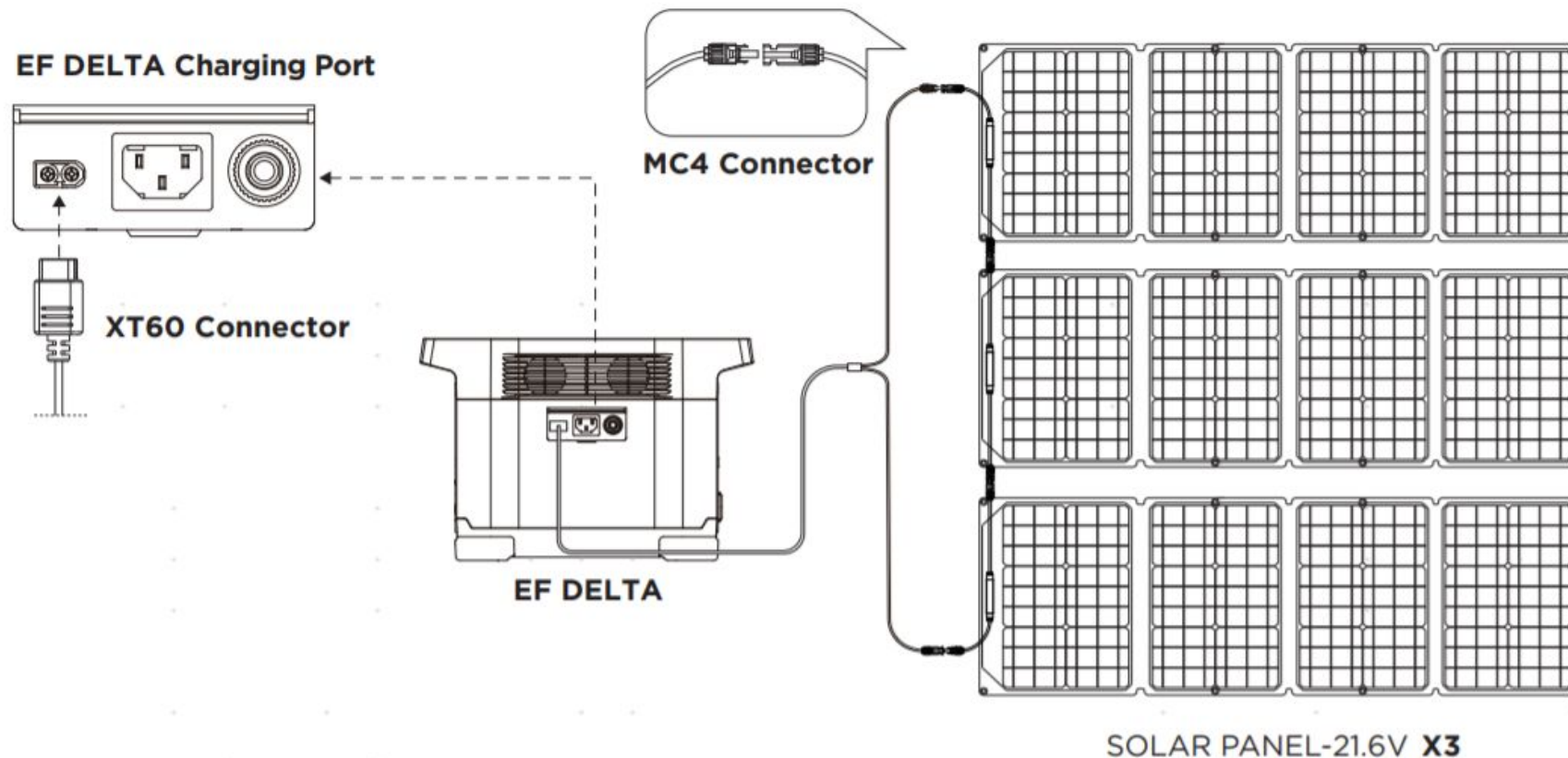
How to recharge DELTA ?

Example 4: serial and parallel connection (Professional solution）

EF DELTA Charging Port

XT60 Connector

EF DELTA

Solar MC4 parallel connection cable
* Users have to buy the solar panels and other parallel connection accessories seperately.

SOLAR PANEL-21.6V **X6**
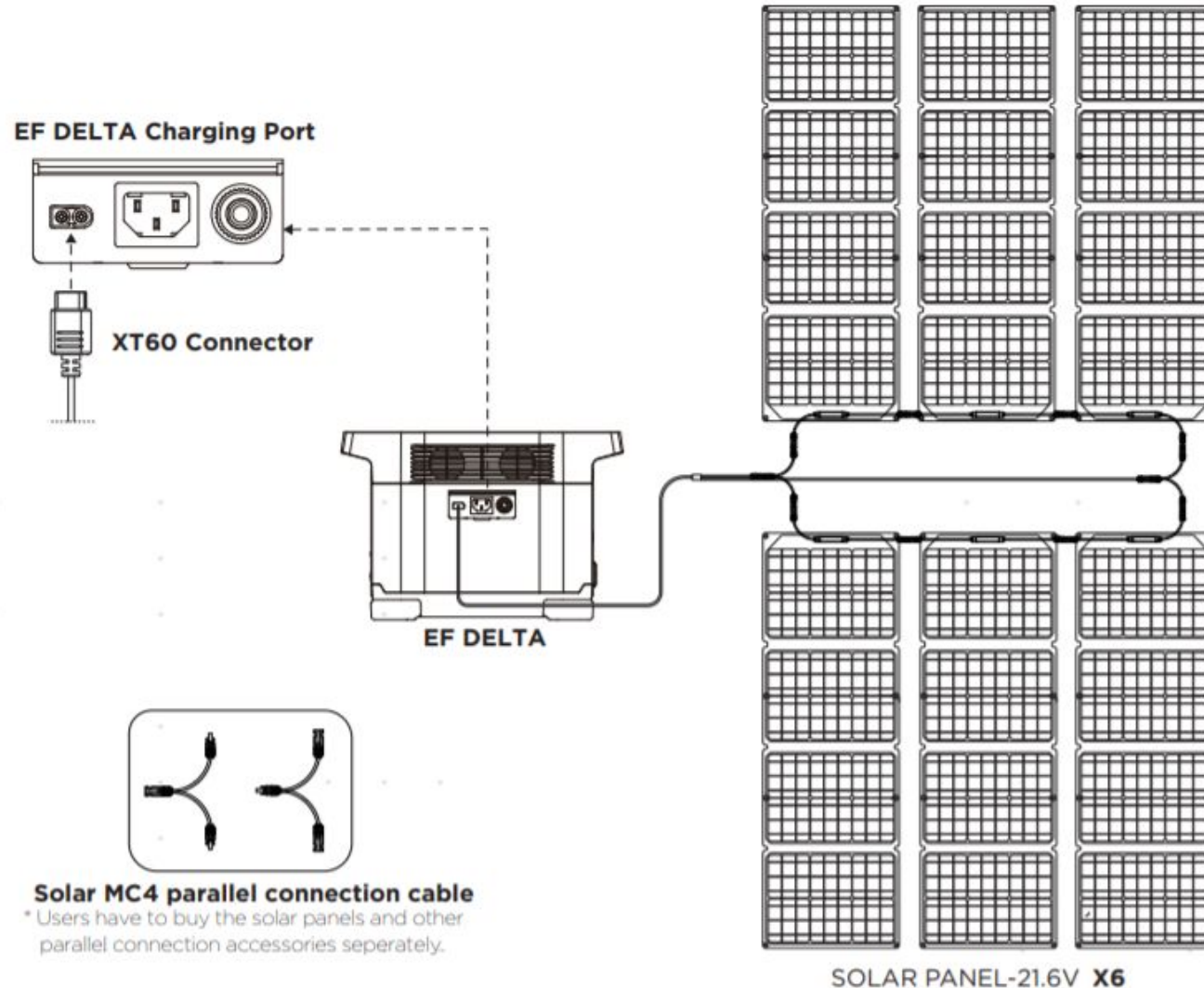
Users can connect up to 2 sets of solar panels in parallel to the MC4 port as shown in the figure. If you want to connect 6 solar panels, you can put them into 2 sets of 3 solar panels connected in series and then connect the 2 sets of solar panels in parallel. Connect them with our MC4 to XT60 conversion cable and connect XT60 cable to the EF DELTA's XT60 input to charge the device. The parallel connection cable is an optional accessory needs to be purchased separately.

How to store DELTA ?

- EcoFlow offers a water-resistant, dustproof case and we recommend you to use it when you plan to store your EF DELTA for a long time.

- Make sure to recharge EF DELTA to around 85%.

- Put EF DELTA into the case

- Please store your EF DELTA in a dry environment without surrounded by abrasive objects. For optimal battery health, store EF DELTA in room temperature.

- Discharge EF DELTA to 30%, then charge to 85% every 3 month. This can help prolong the battery life and ensure your EF DELTA is ready to recharge the gears at all times. Without any external sources for power supply during storage, EF DELTA has a shelf life of over a year.

Customer Support

DELTA: 24 Months Warranty

We hope you never have the need, but if you do, our customer service is friendly and hassle-free.

📞 |+1 800-368-8604   Mon-Fri 9am-9pm (EST)

✉ support@ecoflow.com

CLAIM YOUR WARRANTY

— — Warranty Activation — — —

Activate your warranty at
http://warranty.ecoflow.com

Keep your original packaging & accessories

The returned item(s) must be packed in its original packaging (including all accessories) to enjoy your warranty

EF ECOFLOW

110W Solar Panel Training Guide

2021

Introducing 110W Solar Panel _ Specifications

Unfolded Dimensions	20.2*62.5*1.0 in (51.4*158*2.4 cm)
Folded Dimension	20.2*16.5*1.0 in (51.4*42*2.4 cm)
Weight	13.2 lbs(6KG) Solar Panel 8.8 lbs(4KG)
Warranty	12 Months
Rated Power	110W(+/-5W)*
Efficiency	21%-22%
Connector Type	MC4
Open Circuit Voltage	21.7V (Vmp 18.5V)
Short Circuit Current	6.3A (Imp 6.0A)
Cell Type	Monocrystalline Silicon
Operating & Storage Temperature	-4° F to 185° F (-20° C to 85° C)

Introducing 110W Solar Panel _ selling points

HIGH COMPATITIBILITY

MC4 Output Controller Work for Most Devices

16.5 in   62.5 in

20.2 in

Thickness: **0.8**in

3.5m Solar Charging Cable   1.5m Solar Charging Cable

Maximum Rated Power	110W(+/-5 W)
Open Circuit Voltage	21.7V(Vmp 18.5V)
Short Circuit Current	6.3 A(Imp 6.0A)
Maximum Power Current	6.1A
Efficiency	21%-22%
Cell Type	Monocrystalline silicon
Net Weight	8.8lb(4KG)

⚠ Note: Won't responsible for the damage from
third-party solar panels.

DELTA
Up to 400W Max.

RIVER
Up to 200W Max.

Compatible With Most Generators

With the MC4 to XT60 cable, you could charge DELTA and RIVER Series portable power stations;

ECOFLOW

Introducing 110W Solar Panel _ selling points

CHAIN YOUR PANELS TOGETHER
Generate More Power Efficiently

Charge for 1260Wh EFDELTA
(In full sun)

2 Panels for **8-16** Hrs
3 Panels for **5-10** Hrs
4 Panels for **4-8** Hrs
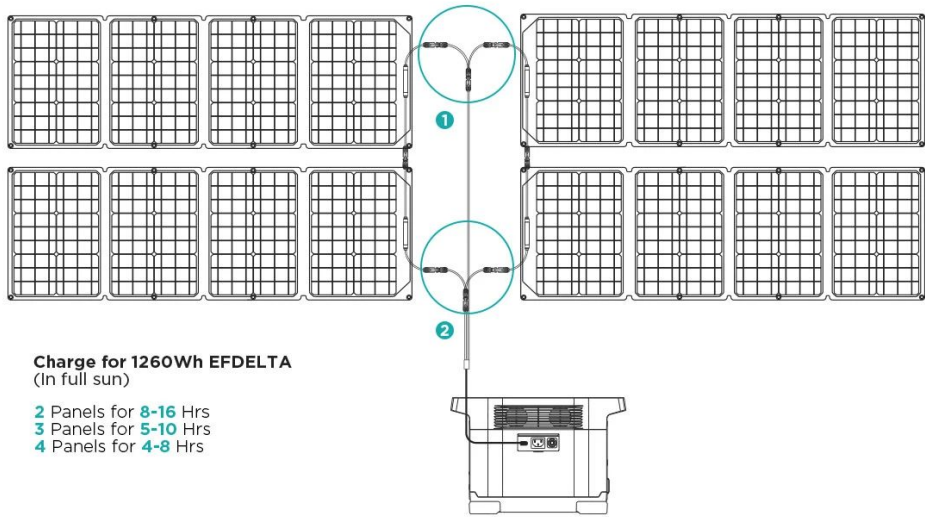
Parallel wiring diagram(Solar MC4 Parallel cable)

① + +

② − −
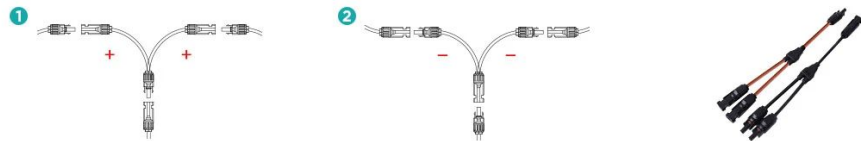
Upgrade High Efficiency

Compared with other solar panels, the chainable feature enables you to chain solar panels together with the parallel cable which gives you ample power for your power station;
(4x110W Solar Panels in parallel for DELTA, 2x110W Solar Panels in parallel for RIVER)

ECOFLOW

Introducing 110W Solar Panel _ selling points

FREELY ADJUSTABLE KICKSTAND

Adjustable angle from 0-180 degrees Get up to 22% more solar energy

Find the perfect angle to absorb the maximum sunshine

NEW WARTERPROOF SOLAR PANNEL DESIGN

110W Portable Solar Panel for Campers and RVers

Portable & Foldable Kickstand Panel

Designed with a rubber handle and flexible bracket stand, our solar panel can be used to <u>adjust the angle from 0-180 degrees</u>.

Waterproof & Durable

The solar panel is waterproof to endure all weather conditions, ideal for outdoor activities.

EF ECOFLOW

What's in the box?
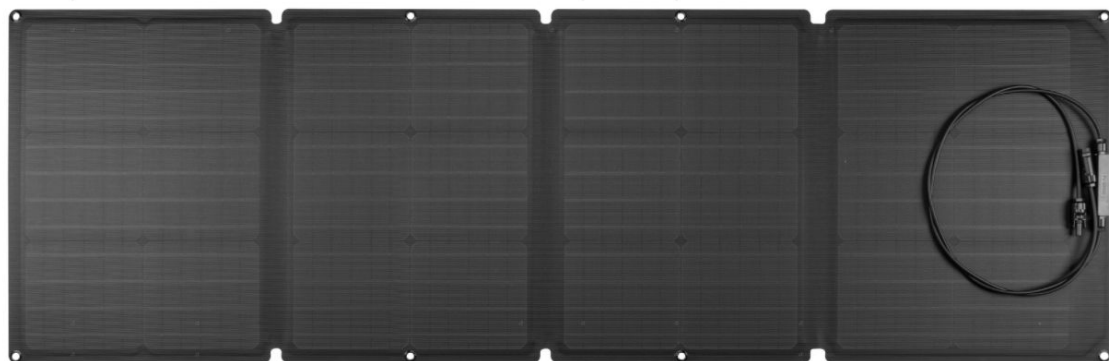
110W Solar Panel

110W Solar Panel Bag
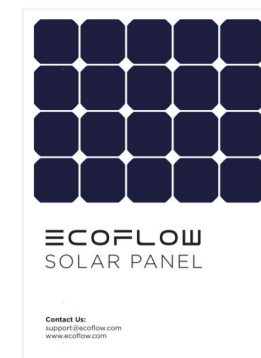
User Manual

160W Solar Panel Training Guide

2021

Introducing 160W Solar Panel _ Specifications

Unfolded Dimensions	26.8*61.8*1.0 in (68*157*2.4 cm)
Folded Dimension	26.8*16.5*1.0 in (68*42*2.4 cm)
Weight	15.4 lbs(7KG) Solar Panel 11 lbs(5.0KG)
Warranty	12 Months
Rated Power	160W(+/-5W)*
Efficiency	21%-22%
Connector Type	MC4
Open Circuit Voltage	21.4V (Vmp 18.2V)
Short Circuit Current	9.6A (Imp 8.8A)
Cell Type	Monocrystalline Silicon
Operating & Storage Temperature	-4° F to 185° F (-20° C to 85° C)

Introducing 160W Solar Panel _ selling points

Portable & Foldable

The EcoFlow 160W Solar Panel is portable, foldable, and compact, weighing just 15.4lbs/ 7Kg. From camping to outdoor activites, unfold the solar panel and start capturing solar power in seconds.

Introducing 160W Solar Panel _ selling points

HIGH-EFFICIENCY SOLAR CELLS
Provide a high conversion efficiency of **21%-22%**
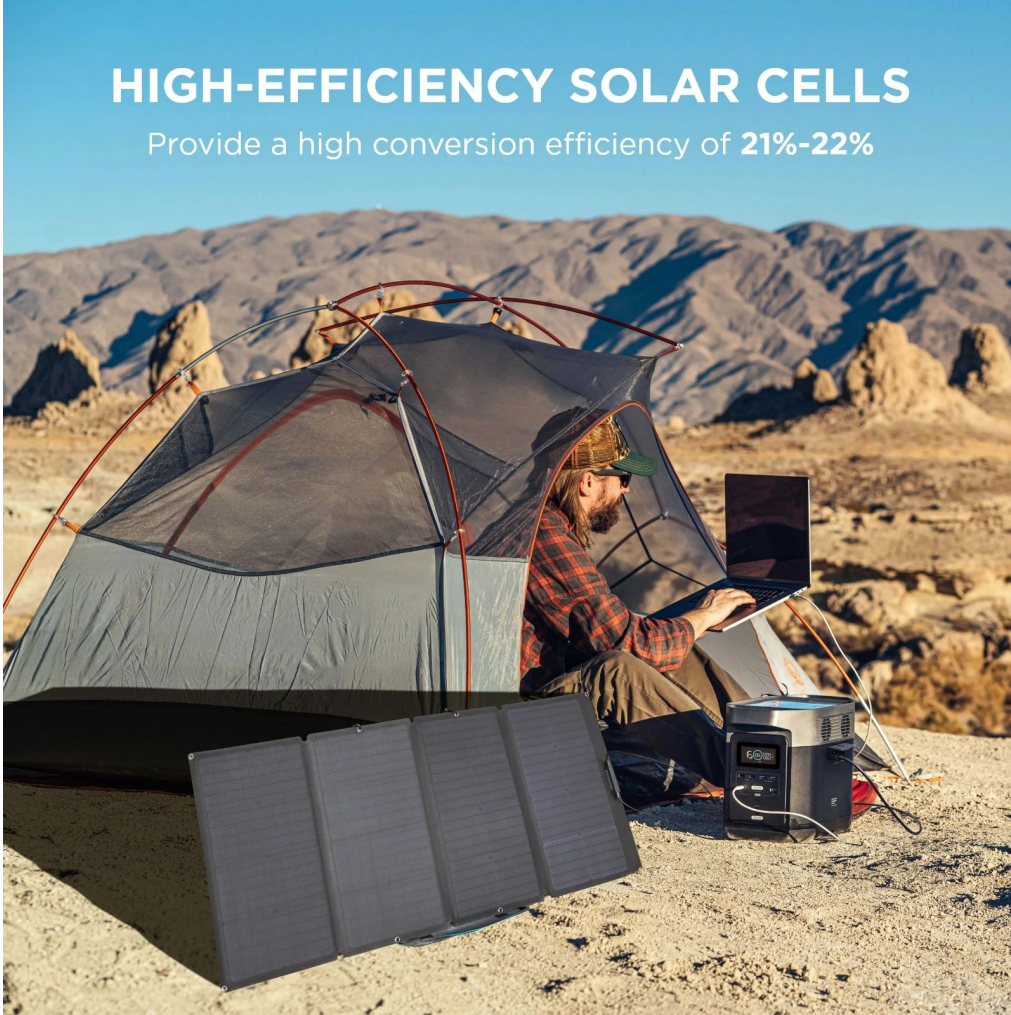
Intelligent Solar Power

The EcoFlow 160W Solar Panel is designed to produce maximum power at any time of the day when paired with an EcoFlow power station. The solar panel has a high conversion efficiency of 21-22%, and the EcoFlow MPPT power station algorithm delivers improved performance in cold and cloudy environments within the operation range.

Introducing 160W Solar Panel _ selling points

Adjust the solar panel for more sufficient solar input.

New Durable Solar Panel Design
IP67 rated dust and water resistance, ideal for outdoor activities

Kickstand Case

Provides protection for the solar panel during transportation. The carrying case also doubles up as a kickstand, which enables you to position the solar power in any direction or orientation, allowing multiple solar panels to be connected together without any obstructions.
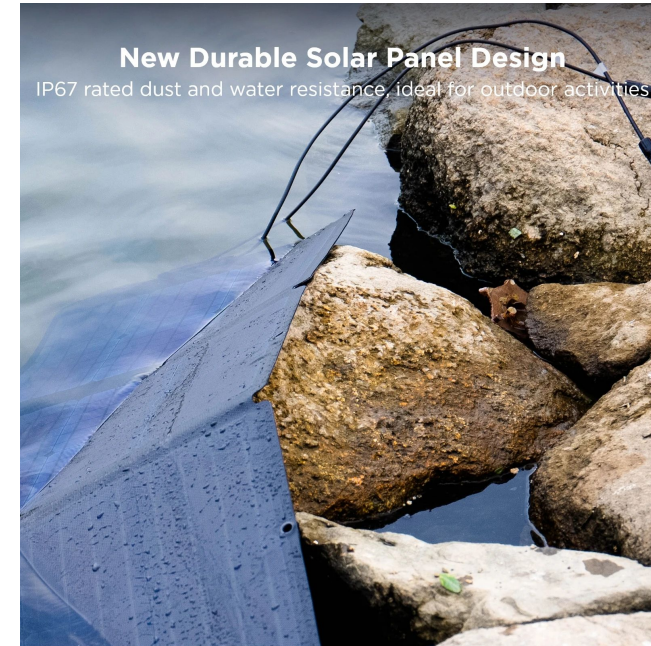
Durable, Dust & Water Resistant

The EcoFlow 160W Solar Panel has IP67 rated dust and water resistance, which is thanks to a seamless, one-piece design, making it ideal for outdoor activities like camping and hiking. An ETFE film provides extra protection against ultraviolet light, prolonging the lifespan of the product.

EcoFlow

What's in the box?
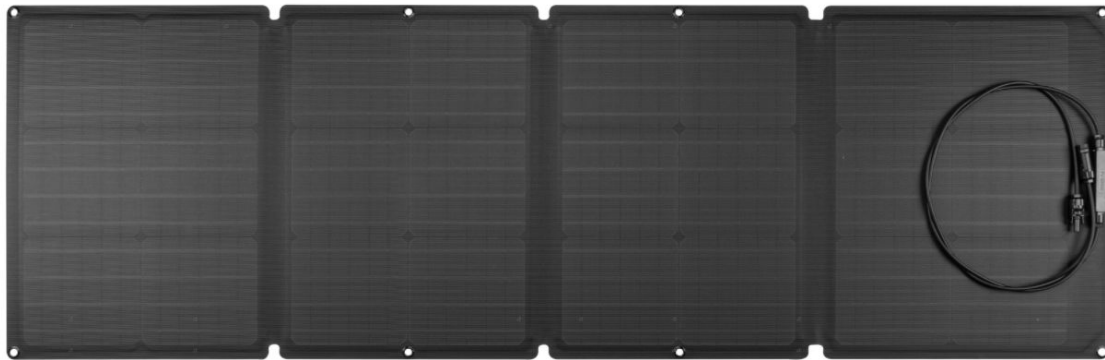
160W Solar Panel

160W Solar Panel Bag

User Manual

How to set up Solar Panel ?

1 Open and unfold the EcoFlow Solar Panel.
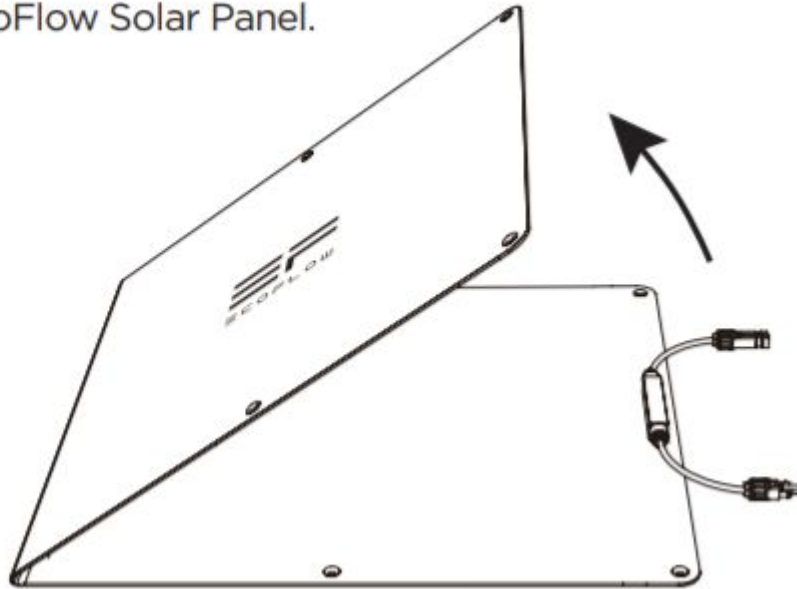
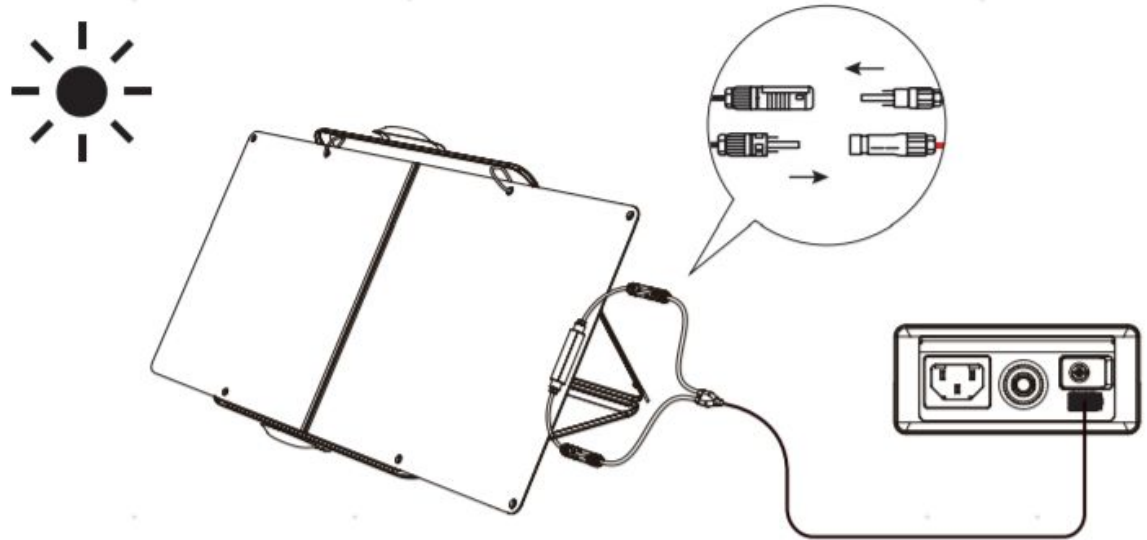**2** Adjust the solar panel on the Kickstand Case.

EF
ECOFLOW
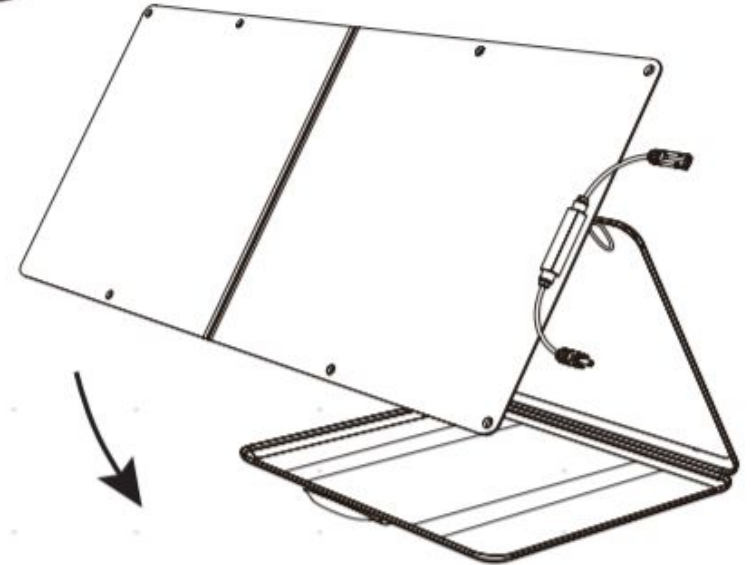
How to set up Solar Panel ?

**3** Attach the solar panel onto the Kickstand Case using the snap hooks.

4 Connect the solar panel MC4 Connector to the MC4 to XT60 Cable (Solar Charging Cable, sold separately) and connect the MC4 to XT60 Cable to the XT60 port on the EcoFlow power station.
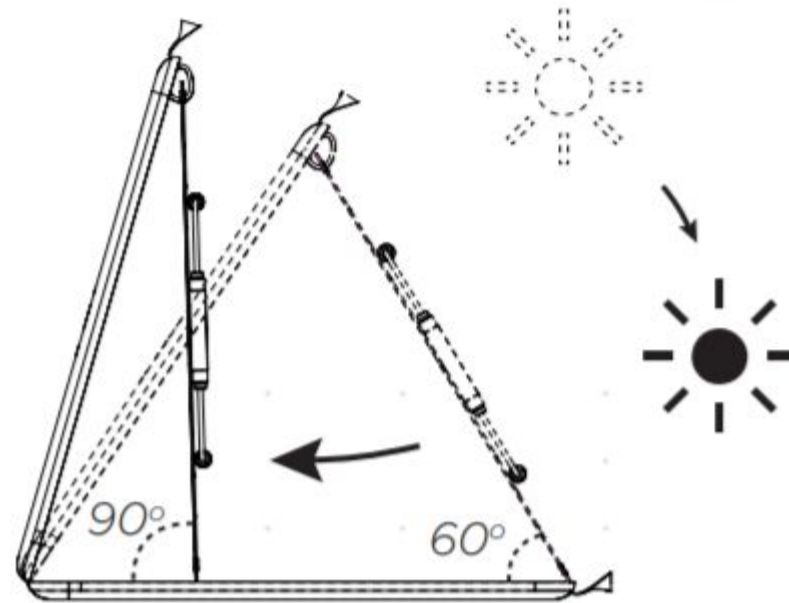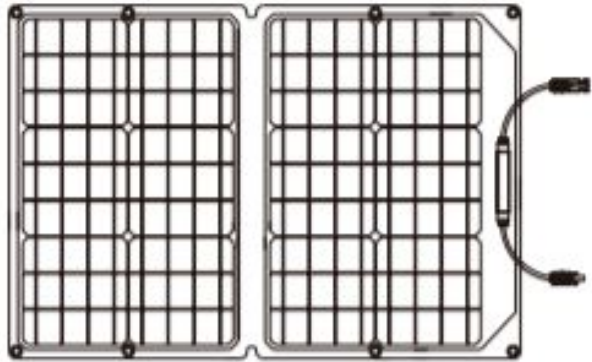
How to set up Solar Panel ?

5 In order to increase the efficiency of the EcoFlow Solar Panel, use it in direct sunlight, position it perpendicular to the sunlight, and make sure the solar panels are unobstructed.

90°
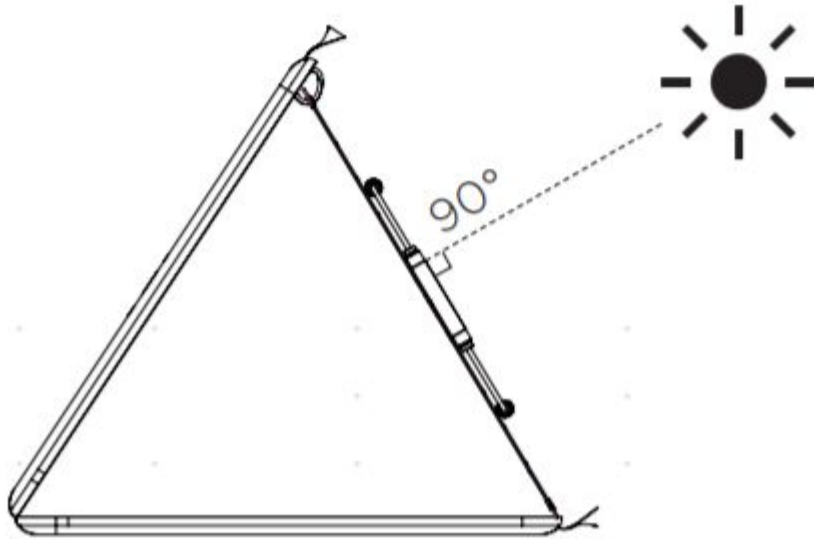
6 The carrying case also doubles up as a kickstand, which enables you to position the solar power in a 60° to 90° angle.
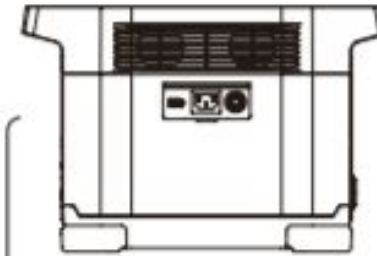
90°   60°

Connection Method

Solar Panel

MC4 to XT60 Cable
(Solar Charging Cable)
* The accessory is sold separately

XT60
Input Port

EcoFlow™ DELTA
(Sold Separately)

EcoFlow RIVER series
(Sold Separately)

Portable power stations

1. Connecting the Solar Panels in Parallel

Wire solar panels in parallel
(refer to the figure below)

1. Connect the positive poles of the solar panels with the positive poles of the Solar MC4 Parallel Connection Cable. Connect the negative poles of the solar panels with the negative poles of the Solar MC4 Parallel Connection Cable;

2. Connect the parallel cable connectors (output side) with the MC4 connectors on the MC4 to XT60 Cable (sold separately);

3. Connect the XT60 connector on the MC4 to XT60 Cable to the XT60 port on the EcoFlow portable power station.

**Solar MC4 parallel connection cable**
(sold separately)
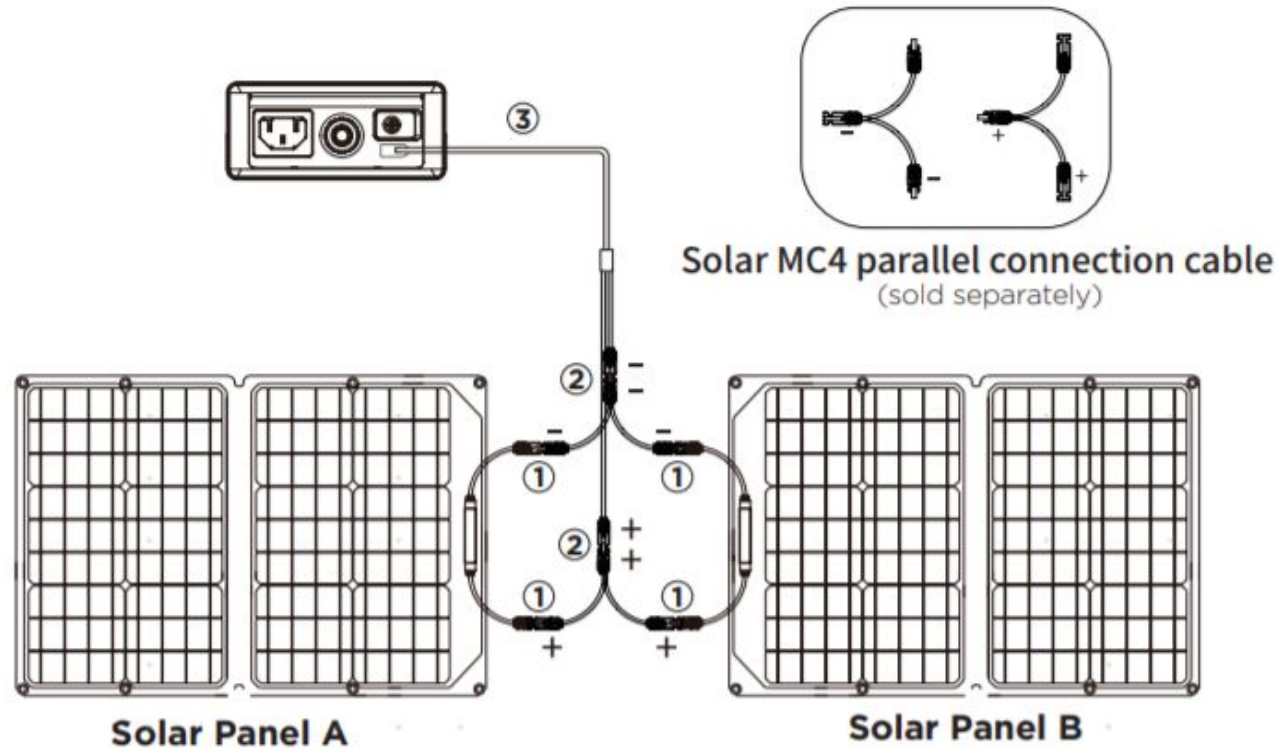
Solar Panel A

Solar Panel B

1. Connecting the Solar Panels in Series

Wire solar panels in series
(refer to the figure below)

1. Connect the male connector of one solar panel to the female connector of the other solar panel;
2. Connect the solar panel MC4 Connectors to the MC4 to XT60 Cable (sold separately);
3. Connect the XT60 connector on the MC4 to XT60 Cable to the XT60 port on the portable power station.
Refer to the user manuals of specific EcoFlow power stations to discover more information about connecting solar panels.
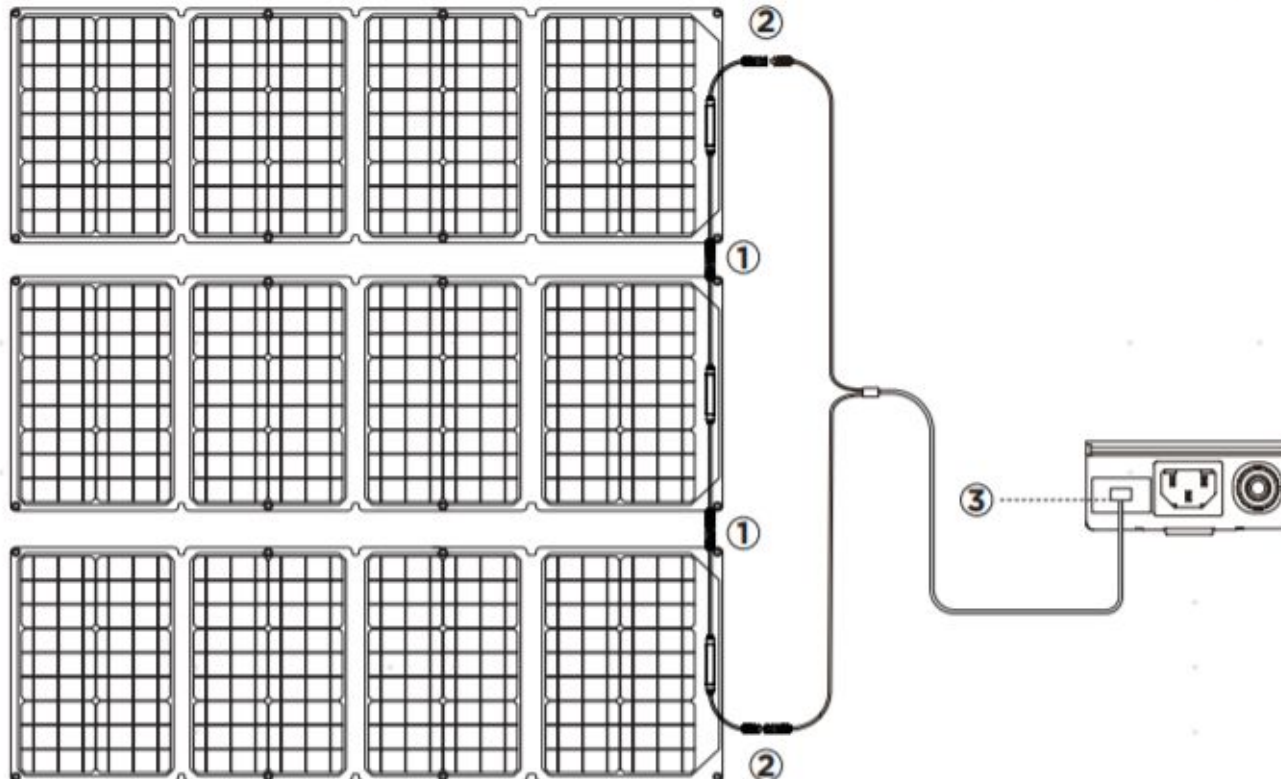
ECOFLOW

Customer Support

110W / 160W Solar Panel : 12 Months Warranty

We hope you never have the need, but if you do, our customer service is friendly and hassle-free.

📞 +1 800-368-8604   Mon-Fri 9am-9pm (EST)
✉️ support@ecoflow.com

CLAIM YOUR WARRANTY

— — Warranty Activation — — —

Activate your warranty at
http://warranty.ecoflow.com

Keep your original packaging & accessories

The returned item(s) must be packed in its original packaging (including all accessories) to enjoy your warranty

ECOFLOW

Thank You