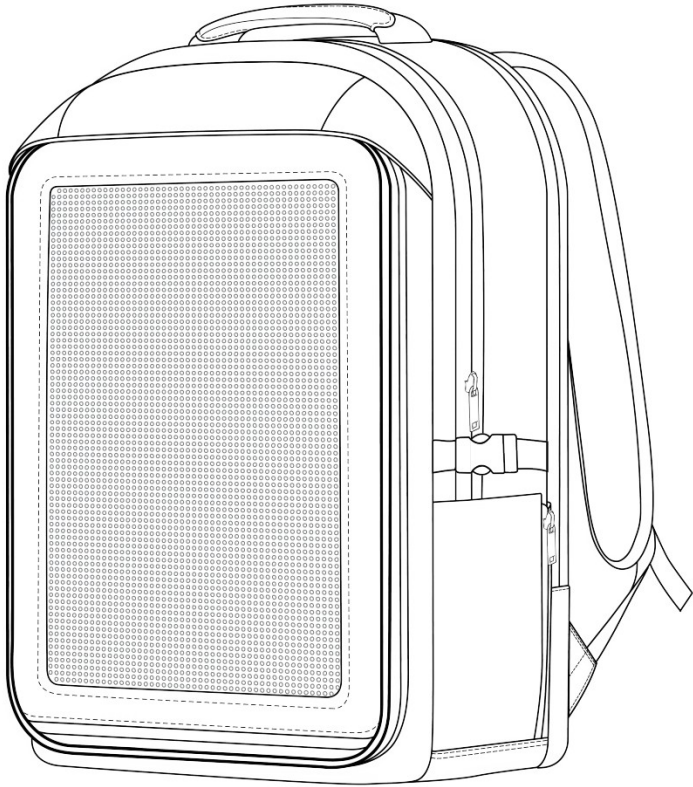


Solar power backpack



User Manual

Thank you for choosing our solar power backpack.
This user manual will help you understand the features and proper usage
of the backpack to ensure you have a great experience with it.

Packing list



Solar power backpack*1



User manual*1



Product hangtag*1



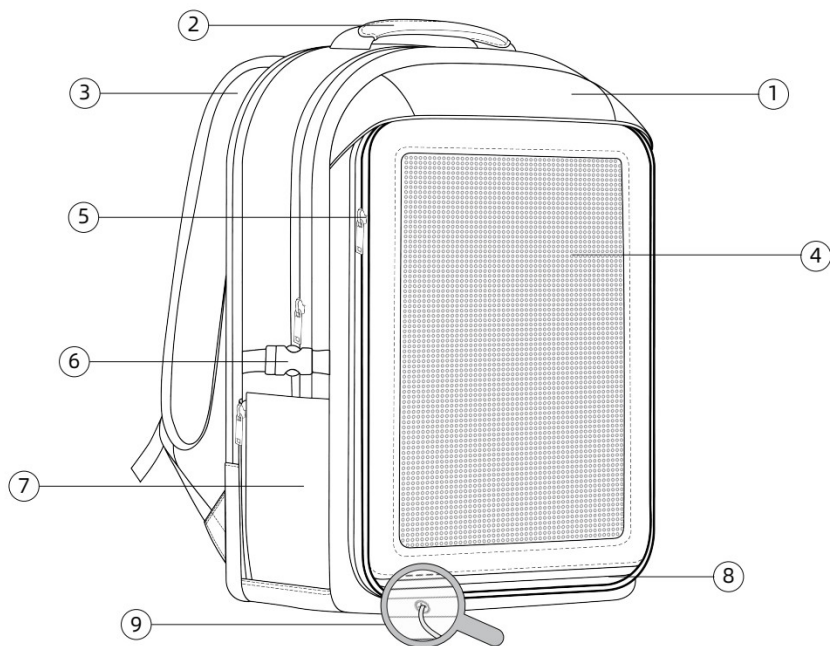
Certificate*1

Content

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Overview of Product Components



- ① Oxford Cloth ② Top handle ③ Shoulder straps ④ Solar panel ⑤ YKK waterproof zipper
⑥ Snap buckle ⑦ Side pocket ⑧ Extended panel ⑨ Cable Pass-Through

Parameters

Name: Solar power backpack

Function: Power generation

Weight: 1.5KG

Fabric material: Woven Oxford cloth+nylon

Capacity: 30L

Conversion: 24%

Power: 30W

Packing size: 330*220*445mm

Function:

Flexible solar panels:

Utilizing the latest exclusive patented technology and a new encapsulation process, solar panels are 40% lighter than those made with traditional techniques. More flexible, thinner, and lower risk of hidden cracks.

High-Efficiency cells:

Adopting high-efficiency IBC (Interdigitated Back Contact) cell, which feature a higher conversion efficiency and excellent low-light response. Moreover, the product has a more aesthetic appearance, high system security, and strong weather resistance. .



Flexible Thin

Parameters of IBC Cells:

Rated Power: 30W (Max)

Size of Solar Panel: 330 × 248 mm (One)

Open-circuit voltage: 24.84V

Open-circuit Voltage: 18.2V

Short-circuit current: 1.6A

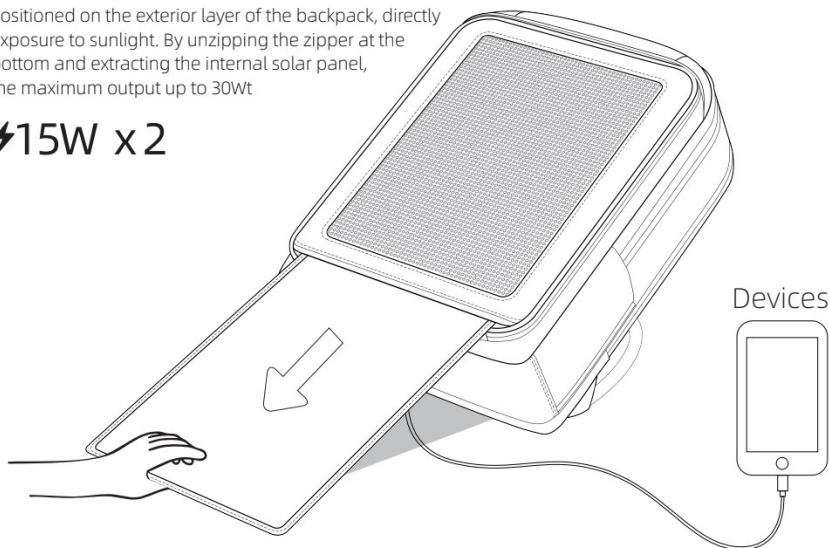
Peak Current: 1.5A

Solar panels

Panel location:

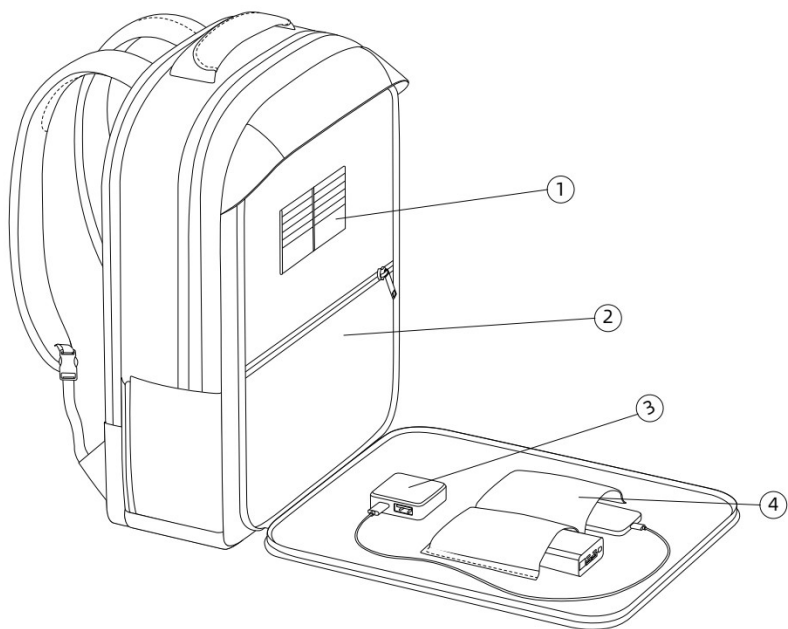
Positioned on the exterior layer of the backpack, directly exposure to sunlight. By unzipping the zipper at the bottom and extracting the internal solar panel, the maximum output up to 30Wt

⚡15W x2



Extracting the second solar panel

Built-in junction box



- ① Card Organizer ② Mesh Pocket ③ USB junction box ④ Pocket

Charging Principle :

The solar panel absorbs sunlight energy and converts it into electrical energy. Then, through the built-in junction box, it connects to the charging circuit to charge the devices. It is compatible with charging most devices equipped with USB interfaces and TYPE C interfaces, such as smartphones, tablets, power banks and so on.

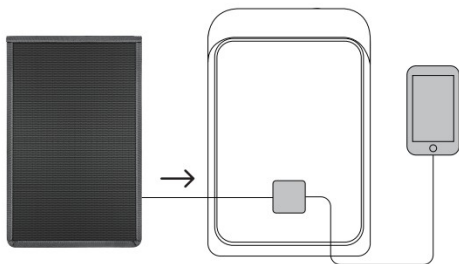
 Parameters	USB-A	Output power max(@STC)	22.5W
		Output Parameters	5V/4.5A, 5V/3A, 9V/2A
		Operating current max(@STC)	4.5A
	TYPE-C	Output power max(@STC)	15W
		Output Parameters	5V/3A
		Operating current max(@STC)	3A

Usage suggestions

Plan 1

Solar panel—Junction box—Charging devices
Need to prepare a charging cable to connect to the USB-A/Type-C port of the junction box, and then charge the device.

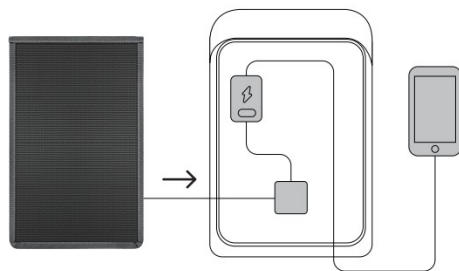
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Plan 2

Solar panel—Junction box
—Energy storage device —Mobile phone

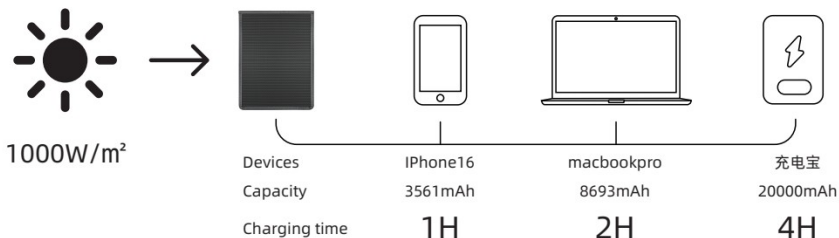
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If you want to charge your mobile phone, plan 2 is recommended .

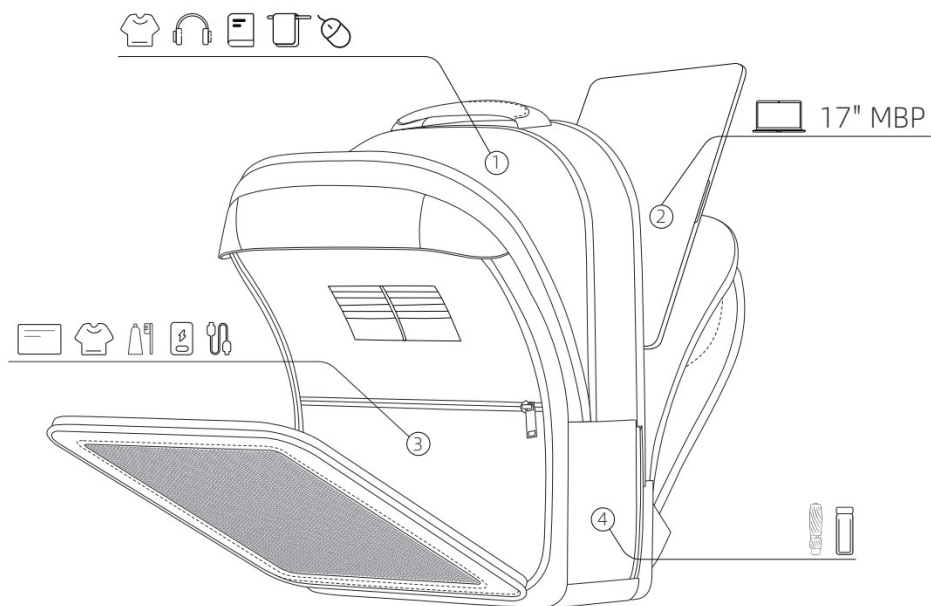
You need to prepare two data cables by yourself. Connect the USB-A/TYPE-C interfaces of the junction box inside the backpack with one cable to charge the power bank by inputting power. Then use the cable inside the backpack to connect the output interface of the power bank to charge the mobile phone.

Measured date



Note: Standard Tested Condition):AM=1.5 ,25°C,1000W/m² Reference only.

Product structure



1 Large-capacity Layer

Worries-free for clothes storage

2 Laptop Interlayer

The front and back of the inter layer are wrapped with shock-absorbing sponge

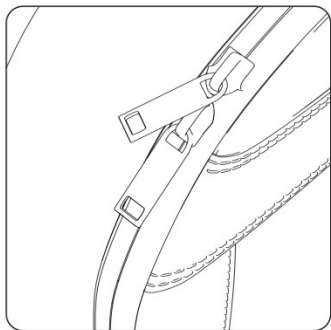
3 Toiletries Layer

Internal space is carefully arranged, the elastic mesh storage can hold more items.

4 Side pockets

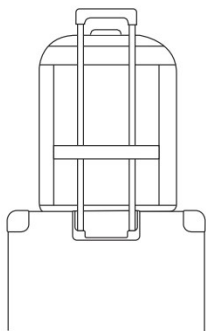
An elastic zipper and is fixed in cooperation with the buckle on the top.

Product details



YKK waterproof zipper

No-worry in heavy rain and over 10,000 times lifetime



Luggage straps

An additional horizontal hook-and-loop fastener design on the back, making travel easier.

Lockable buckle

Open ↔ Close



Lockable buckle



Anti-theft buckles



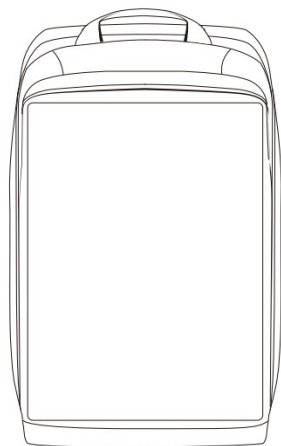
Shoulder strap loop fixation.

Back and sides:

Self-locking anti-theft lock buckles are adopted, and lock buckle switches are added on the sides, making it more reliable to fix items.

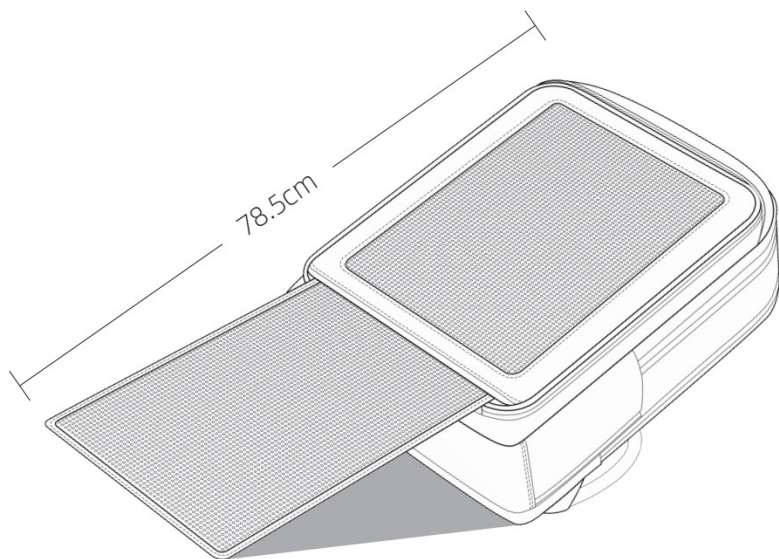
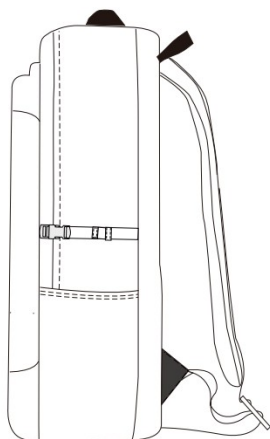
Dimension

33.5cm



47.5cm

19cm



78.5cm

Precautions

Daily Maintenance:

1. Using the solar-powered backpack correctly can extend its life time.
2. Do not place heavy objects on it during use to avoid deformation and damage.
3. If the surface of the backpack gets wet, please wipe it with a dry cloth and dry it at room temperature.
4. As there are core components such as charging cables and circuit boards inside the solar-powered backpack, it cannot be washed with water.

Solar charging:

1. Ensure that the surface of the solar panel is not blocked, so as not to affect the charging efficiency. Even partial blocking may significantly reduce the charging effect.
2. Although the solar panel has a certain degree of waterproof performance, it is advisable to properly protect the backpack in case of severe weather such as heavy rain to avoid water from entering and damaging the solar panel and charging interface.
3. Excessive bending may damage the battery wafers and circuits inside the solar panel, reducing its performance and life life.
4. The charging performance of the solar panel on the outdoor backpack will be affected by objective environmental factors, such as the angle of sunlight, ight intensity, environmental temperature, and object obstruction. (The charging effect is the best when the solar panel is perpendicular to the sunlight; when the solar panel is perpendicular to the sunlight, the charging effect is relatively good; when the solar panel is not perpendicular to the sunlight, the charging effect is relatively poor. The greater the intensity of solar illumination, the better the charging effect.)
5. Please do not place mobile phones, power banks and other products in direct sunlight to avoid damage caused by overheating of electronic devices or affecting the service life of the devices.

Note: All performance parameters listed on this page are based on test data. Due to variations in environmental conditions, actual performance may differ, and discrepancies or errors may occur during use.



Made in China

Warranty card

Name: _____ Email: _____

Purchase date: _____ Repair date: _____

Address : _____

Procuictinalfimction: _____

Note:

- 1.Keep the warranty card in a safe place as proof of purchase for maintenance requests.
- 2.The warranty period is 1 year, starting from the date of purchase.
- 3.If the product experiences failure under normal usage conditions within the warranty period, and the issue is verified by our company, free maintenance will be provided.

Free maintenance will not be provided under the following circumstances:

Our products are covered by a limited warranty within the warranty period. However, equipment failures or damages arising from the following conditions are not covered by the warranty, and our company will not be obligated to provide free repair or replacement

1. The equipment or components are beyond the valid warranty period.
2. Failures or damages caused by improper use, storage, or operation that does not comply with the instructions provided in the manual.
3. Failures or damages resulting from disassembly by unauthorized personnel or service providers.
4. Failures or damages caused by accidental factors or human error, including but not limited to operational mistakes, scratches, mishandling, or impacts.
5. Failures or damages caused by force majeure events such as natural disasters (e.g., earthquakes, fires, etc.).