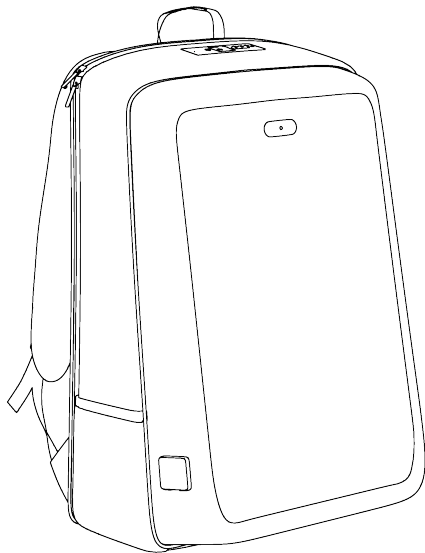


SOLAR BACKPACK



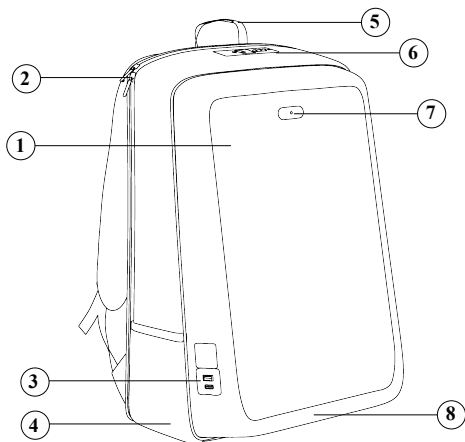
USER MANUAL

THANKS FOR CHOOSING OUR SOLAR BACKPACK! FOR BEST
PERFORMANCE, READ THE MANUAL FIRST AND OPERATE PROPERLY

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Introduction



- ① 13W Solar Panel ② Waterproof Zippers ③ External Waterproof Charging Port ④ Side Pocket
- ⑤ Handle ⑥ TSA-Approved Combination Lock ⑦ Solar Charging Indicator ⑧ ABS Shell

Parameters

Name: Solar Backpack

Capacity: 30L

Model:PT-B-13W

Conversion: 24%

Net Weight: 1.26KG

Power(max):13W

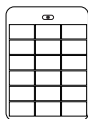
Material: ABS + Fabric

Size:43*31*19cm

Function

High-Efficiency Solar Cells

Uses high-efficiency IBC cells, with higher conversion efficiency and good low-light response. Also, it boasts a sleeker look, high system safety and strong weather resistance.



Flexible

Thin

IBC Cell Parameters:

Power (max) : 13 W

Size: 344*228mm

Operating Voltage: 9.9V

Operating Current: 1.27A

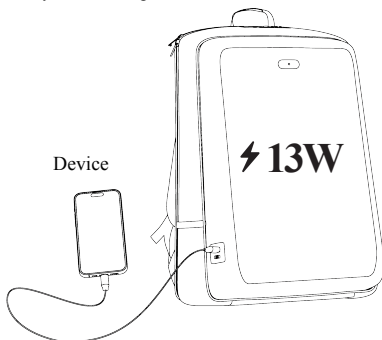
Open-Circuit Voltage: 12.42V

Short-Circuit Current: 1.39A

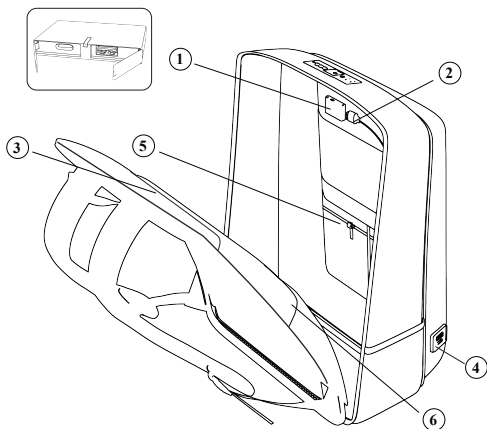
Solar Panel

Solar panel area

Located on the outer layer of the backpack, it can directly receive sunlight, with a maximum of 13W



Internal Components



- ① USB Junction Box ② External USB Cable Port ③ Laptop Compartment
 ④ External USB Interface ⑤ Storage Pocket*2 ⑥ Storage Pocket*3

Solar Junction Box Charging Principle

The panel converts sunlight into electricity, delivered via built-in wiring to USB/Type-C devices (phones, tablets, power banks, etc.)

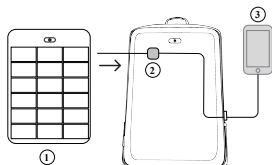
 Specifications	USB-A / TYPE-C	Power(max)	10W
		Output(max)	5V/2A
	USB-A + TYPE-C	Output(max)	10W
		Output(max)	5V/2A

Charging instructions

Solution 1

Solar Panel → Junction Box → Devices

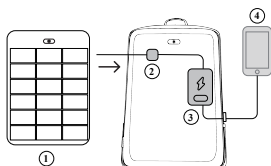
...



Solution 2

Solar Panel → Junction Box → Power Bank → Devices

...



For mobile phone charging, Solution 2 is recommended

Requires two cables: Connect the built-in junction box (Type-A/USB-C) to your power bank for input charging. Use the power bank's output to charge your device.

Tested Efficiency



1000w/m²



Solar Panel
Battery Capacity
Charging Time



iPhone16
3561mAh
≈2h



MacBook Pro
8693mAh
≈4h

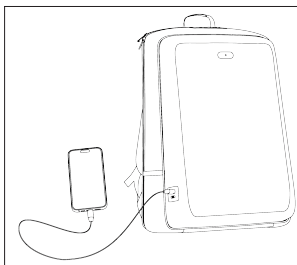
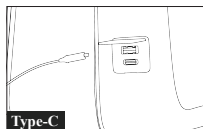
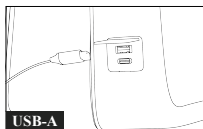


Power Bank
20000mAh
≈8h

The above data is for reference only. Actual performance may vary!

Notes: Standard Tested Condition :AM=1.5, 25°C, 1000W/m²

External Charging Port

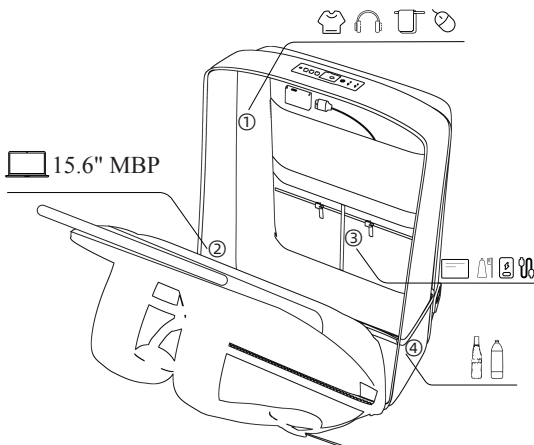


External USB-A & Type-C Charging Ports:

The solar panel converts sunlight into electrical energy, which is transferred through the built-in junction box and external connector to the charging cable. It can charge most devices equipped with USB or Type-C ports such as smartphones, tablets, and power banks.

 External Charging Box	USB-A / TYPE-C	Power(max)	12W
		Output (max)	5V/2.4A
	USB-A + TYPE-C	Power (max)	12W
		Output (max)	5V/2.4A

Product Structure



15.6" MBP

① Spacious and Lightweight Design

The main compartment offers ample capacity with a lightweight build, featuring dedicated sections for clothing, documents, and daily essentials.

② Padded Laptop Compartment

Fully cushioned with shock-absorbing foam on both sides to protect your laptop from bumps and drops.

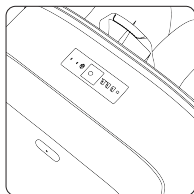
③ Padded Laptop Compartment

Fully cushioned with shock-absorbing foam on both sides to protect your laptop from bumps and drops.

④ Elastic Side Pocket

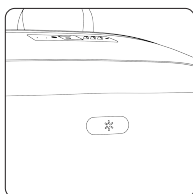
Convenient side pocket with an elastic band deal for holding water bottles or umbrellas securely

Product Features



Anti-Theft Combination Lock

Equipped with a TSA-approved lock for secure travel



Solar Charging Indicator Light

A blue LED light indicates the solar panel is actively generating power

Locking Buckle with Switch

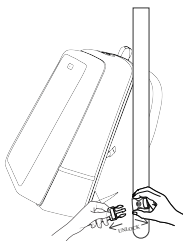
ON $\longleftrightarrow$ OFF



Slide upward to unlock and downward to lock



Anti-Theft Attachment Buckle

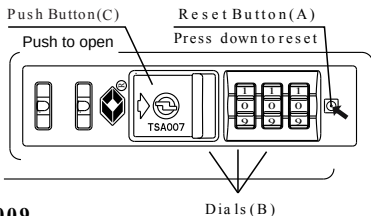


Designed to fasten the backpack securely to other items

Rear & Side Locking System:

Features self-locking anti-theft buckles on the back and an additional switch on the side buckle

Combination Lock Instructions



TSA16009

Please reset your personal code by following the steps below.

How to Set the Password:

1. Set the lock to the open position (factory code is 0-0-0).
2. Use a pen or similar tool to press and hold the reset button until you hear a “click” sound.
3. Rotate the three number dials (B) to set your desired personal code (e.g., 8-8-8)
4. Push the slide button (C) in the direction of the arrow until you hear another “click” sound.

At this point, the personal password setup is completed.

Please remember your password carefully.

To reset the combination, simply repeat steps 1 to 4

 **Note: The reset button cannot be pressed while the lock is in the locked position.**

Warning: If the cylinder is opened, please lock it again by turning it in the direction of the arrow to the red dot position (use any tool that fits in the cylinder)



Precautions

Daily Maintenance:

1. Proper use of the solar backpack will help extend its service life.
2. Avoid placing heavy objects inside the backpack to prevent deformation or damage.
3. If the surface of the backpack becomes damp, wipe it with a dry cloth and let it air dry at room temperature.
4. As the backpack contains internal components such as charging cables and circuit boards, do not wash it with water.

Precautions for Solar Charging:

1. Ensure the surface of the solar panel is not blocked during charging. Even partial shading may significantly reduce charging efficiency.
2. Although the solar panel is water-resistant, we recommend protecting the backpack during heavy rain or severe weather to prevent water from entering and damaging the solar panel or charging ports.
3. Excessive bending can damage the internal solar cells and circuitry, leading to reduced performance and shortened lifespan.
4. The charging performance of the solar panel is affected by environmental factors, including:
Sunlight Angle: Best charging efficiency is achieved when the solar panel faces the sun directly (perpendicularly).
Light Intensity: The stronger the sunlight, the higher the charging efficiency.
Other Factors: High or low temperatures and any shading will significantly reduce charging performance.
5. Do not expose electronic devices (e.g., smartphones, power banks) to direct sunlight, as overheating may cause damage or reduce their lifespan.

**Note: The above performance data is based on laboratory tests.
Actual results may vary depending on environmental conditions.**

Warranty Card

Customer Name: _____ **Phone Number:** _____

Purchase Date: _____ **Service Date:** _____

Customer Address: _____

Product Issue Description: _____

Warranty Information

1. **Warranty Certificate:** Please retain this warranty card as proof of warranty service.
2. **Warranty Period:** This product comes with a one-year free warranty starting from the date of purchase.
3. **Warranty Coverage:** Within the warranty period, if the product malfunctions under normal usage and is confirmed by our technical inspection, free repair service will be provided.

Disclaimer – Not Covered Under Warranty

The following conditions are not covered by the free warranty:

1. **Out of Warranty:**
The product or its components exceed the one-year warranty period.
2. **Improper Use:**
Failure or damage caused by misuse, improper operation, or storage not in accordance with the user manual.
3. **Unauthorized Disassembly or Repair:**
Damage caused by disassembly or repair performed by unauthorized personnel or service centers.
4. **Accidental or Human-Caused Damage:**
Damage caused by mishandling, scratches, impact, drops, or improper transportation.
5. **Force Majeure:**
Damage caused by natural disasters such as earthquakes, fires, or floods, or other force majeure events.