Blue Carbon®

SUN-POWER, POWER YOUR LIFE.

Sun-Power

Solar Home System

1KWh

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Model	BCT-SHS2.0
Product Name	Sun-Power 2.0
Solar Panel	**12V120W**
Open-Circuit Voltage (Voc)	16.76V
Optimum Operationg Voltage (Vpm)	14.32V
Short-Circuit Current (Isc)	8.9A
Optimum Operationg Current (Ipm)	8.39A
Working Efficiency (%)	22
$LiFePO_4$ Battery	
Norminal Voltage	3.2V
Electricity (kwh)	1kWh
DOD	80%
Cycle	>6000 cycles, <0.5C
Output	
Car Charger Output	12V10A
USB Output	5V2A
Type-C Output	5V2A
DC Bulb Output	12V2A
DC Home Appliance Output	12V10A
Max Output Power	240W
Input	
PV Input	5-12V
Type-C Input	5-12V 5A
Other	
LED Bulb	10W×3Pcs
Builtin LED	15W
Product Size	236mm×137mm×276mm

*Work together with Blue Carbon solar panel only.

Modified Sine Wave Inverter (Optional Accessory)		
Input parameter	Rated input voltage	12V DC
	Rated input volatge range	10.2~15.2V DC
	Under rated voltage protection value	9~10.2V DC
	Over rated voltage protection value	15.2~16V DC
Output parameter	Rated output power	100W
	Rated output voltage	230V AC
	Max Output Power	

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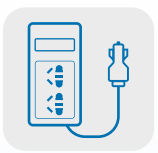
3 years warranty


Inverter

TV

Mobile Phone

Fan

Electric Razor

Ice Cooler

Electric Kettle

Bulb

Rice Cooker

Freezer

Hair Clipper

Electric Air Pump

Mosquito Killer Lamp

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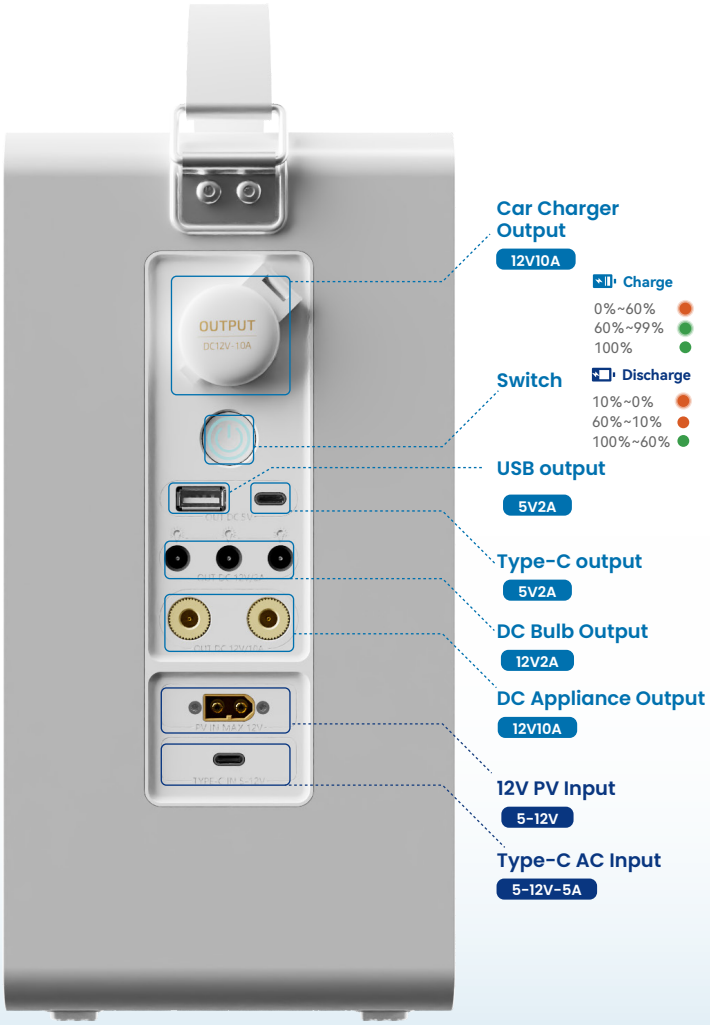


Car Charger Output
12V10A

Charge
0%~60%
60%~99%
100%

Discharge
10%~0%
60%~10%
100%~60%

Switch

USB output
5V2A

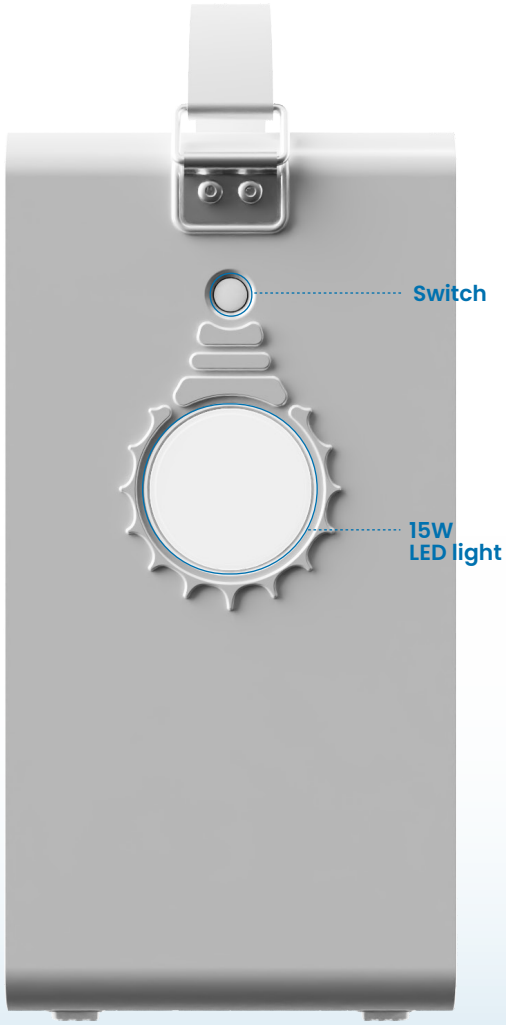
Type-C output
5V2A

DC Bulb Output
12V2A

DC Appliance Output
12V10A

12V PV Input
5-12V

Type-C AC Input
5-12V-5A



Switch

15W LED light

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Design
patent design, independen R&D, future product idea.

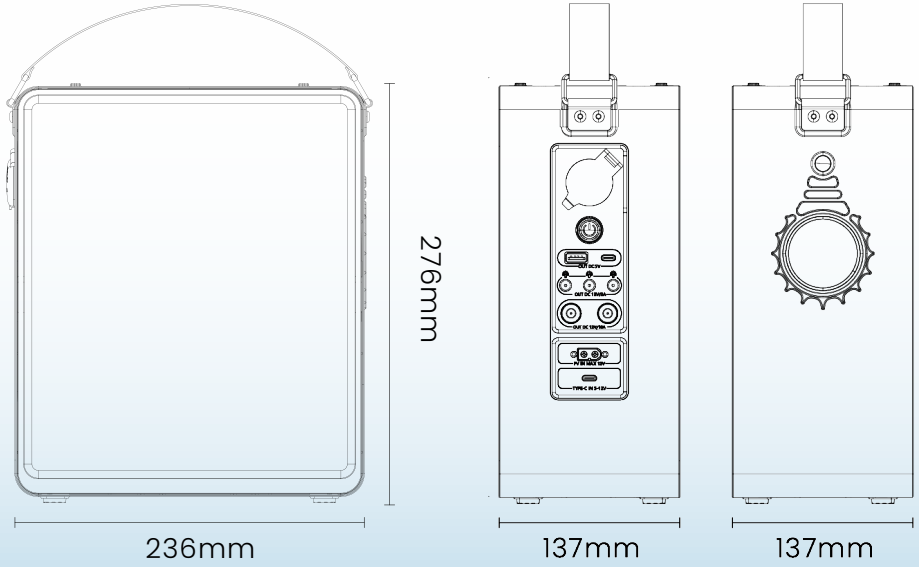
Moveable
appropriate volume, your power bank plus, satisfy of different application scenarios.

Affordability
high cost-performance ratio, catering to different target groups.

Durability
$LiFePO_4$ battery, long life span, sturdy cast aluminum casing。

Innovation
brand new circuit technical design, innovative and high quality.

Quality
high quality raw materials, exquisite production techniques, erfect design, strict quality inspection process.



Standard

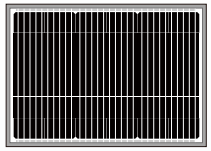
10W LED Bulb ×3

Optional Accessory

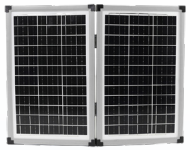
100W Modified Sine Wave Inverter

DC Fan

Balcony installation



Roof installation



Flexible solar panel

Choose any of the three mode options

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PRODUCT DISPLAY

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Blue Carbon

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