

MICRO-ENERGY STORAGE SYSTEM SOLUTION SUPPLIER

CORPORATE CULTURE

Mission

Values

arnest,

Win Win

the Pursuit of Excellence



Vision

Micro Energy Storage



ontribute to Clients

Contribute to Team

Contribute to Environmen



CONTENTS

ABOUTUS	0.
DEVELOPMENT HISTORY	03
ENTERPRISE HONOR	0.
COMPREHENSIVE ENERGY SUPPLY	0
LiFePO4 BATTERY	10
UU 12-100	1
UU 12-150/200	1
UU 24-100	1
BCT-UU 24-200 (M)	1
BCT-UU 48-150/200 (M) UU 48-150/200	1
UU 24-150/200	1
UU 48-100	1
UU 48-150/200	1
OL-UU 12-150/200	1
OL-UU 24-150/200	2
PV ENERGY STORAGE SYSTEM	2.
Solar Package	2
Smart Meter	2
Power Pad	2
Battery Balance Protector	2
Smart Power	2
Carbon Free	2
1kWh Solar Power System 10kWh Commercial Lighting System	2
3kWh Solar Power System	3
PRODUCT INSTALLATION CASE	3:

COMPREHENSIVE ENERGY SUPPLY HOME BATTERY BACKUP

Years Warranty LiFePO4 Battery Series

Storing the power from the solar panel, to be used as reserve power or emergency power supply. At night or at the time of power outage, it can supply the power to electrical appliances by using the stored energy, to avoid the inconvenience caused by power outage, so that you can calmly deal with the situation of power outages.

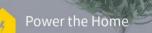
It is easy to install, simple design, and perfect fit for a variety of architectural styles, apply for family, business, industry, aquaculture, planting, field work, camping tourism, night market, etc.

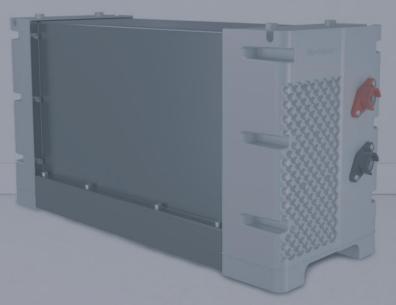
ENERGY SELF-SUFFICIENCY AND A COMPREHENSIVE ENERGY SUPPLY

When power is off, the stored energy can be used to power with solar energy, clean energy charging can be realized to ensure the normal operation of home appliances.



24/7 Standby Power







Model: UU 12-100



Comprehensive Energy Supply

LiFePO4 battery pack series,

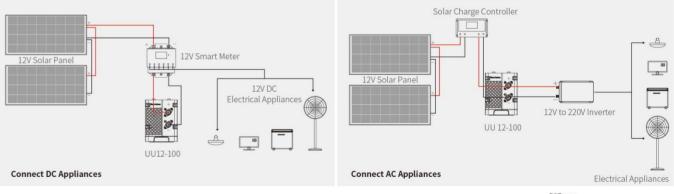
can enhance the independence of electricity power of the system by solar storage, and you can also enjoy the clean energy at night at home.

Use LiFePO4 batteries alone, or with other blue carbon products, can save money and reduce carbon emissions.

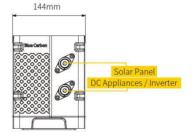


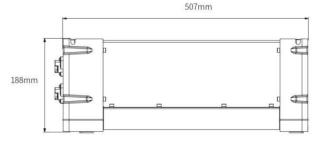
Technical Parameters

Storage Capacity	1280Wh	Standard Capacity	100Ah/12.8V
Continuous Input Current	80A	Standard Charging Voltage	14.4V—15V
Continuous Output Current	80A	Maximum Charging Voltage	25V
Charging Voltage Of Solar Panel	22V	Cut-Off	9V-12V
Charging Cut-Off Voltage	13.8V-14.6V	Maximum Solar Panel Input Current	80A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth Of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		



LiFePO₄ Battery Pack 1280 Wh





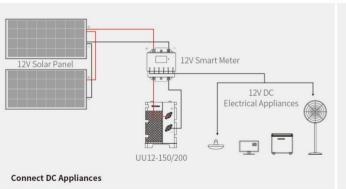
Model: UU 24-100

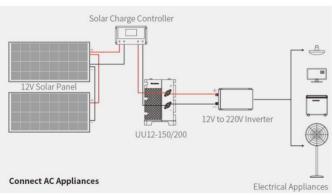
Idire Californ

Technical Parameters

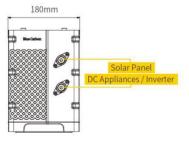
Model: UU 12-150/UU 12-200

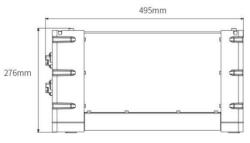
Storage Capacity	1920Wh/2560Wh	Standard Capacity	150Ah/200Ah/12.8V
Continuous Input Current	100A	Standard Charging Voltage	14.4V—15V
Continuous Output Current	100A	Maximum Charging Voltage	25V
Charging Voltage Of Solar Panel	22V	Cut-Off	9V-12V
Charging Cut-Off Voltage	13.8V-14.6V	Maximum Solar Panel Input Current	100A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth Of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		





1920 Wh 2560 Wh

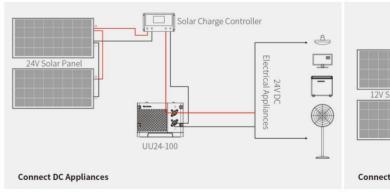


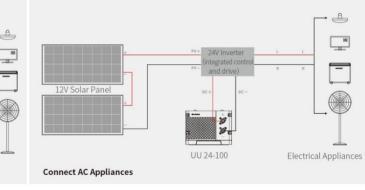


Technical Parameters

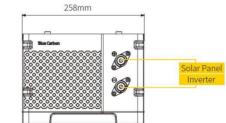
100Ah/25.6V 2560Wh Standard Capacity Storage Capacity Continuous Input Current 80A Standard Charging Voltage 28.8V—30V Maximum Charging Voltage 50V Continuous Output Current 80A Charging Voltage Of Cut-Off 18V-24V Solar Panel Maximum Solar Panel Charging Cut-Off Voltage 27.6V-29.2V 80A Input Current Over-Discharge Delay **Rshoot Delay Protection** 1000mS 1000mS Protection **Short Circuit Short Circuit Protection** Disconnect load 330uS **Protection Delay** Recovery Self-Discharge (25°) Depth Of Discharge <3%/month >80% Recommended Operating Temp. Range -20°C-70°C 10°C-45°C **Temperature Range** >5000times(<0.5C) C-rate Discharge Cycle Life <0.8C Warranty 5 years

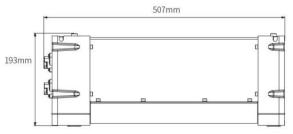






LiFePO₄ Battery Pack
2560 Wh



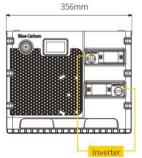


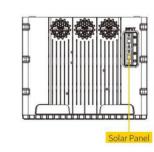


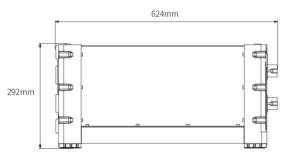
BCT-UU 24-200 (With MPPT)

5120 Wh









Technical Parameters

200Ah/25.6V 5120Wh Standard Capacity Storage Capacity Standard Charging Voltaget 28.8V-30V MPPT Current 60A MPPT Maximum Discharge Cut-Off Voltage 18V-24V 150V **Charging Voltage** Charging Cut-Off Voltage 27.6V-29.2V Continuously Use 100A **Output Current** Rshoot Delay Protection 1000mS Over-Discharge Delay 1000mS Protection **Short Circuit Short Circuit Protection** Disconnect load 330uS Protection Delay Recovery Self-Discharge (25°) Depth Of Discharge >80% <3%/month Operating Temp. Range Recommended -20°C-70°C 10°C-45°C Temperature Range

>5000times(<0.5C) C-rate Discharge

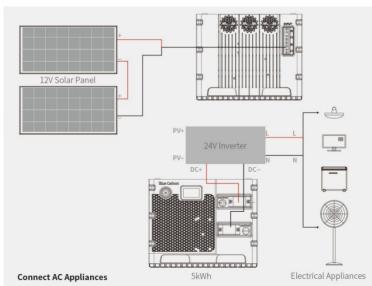
Model: BCT-UU 24-200(M)

< 0.8C

Warranty 5 years

Cycle Life

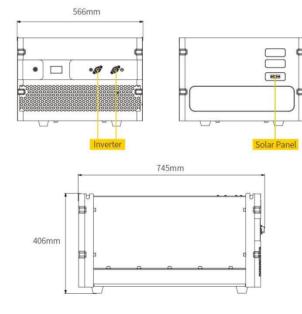
- Integrated Charging-storage Energy System, reducing wiring, installation, etc. It is convenient for to operate, and greatly reducing the space occupancy rate.
- Wide-voltage dual-channel input, greatly improve the degree of freedom of solar panel in series or
 parallel connection. When unexpectedly high voltage is input, it can effectively block the high voltage,
 so that the battery's BMS will not be broken down, and greatly reduce the risk of the lithium batterys
 thermal runaway burning.
- Effectively track the maximum power point of the solar panel and increase the daily power generation
 of the solar panel by more than 30%.





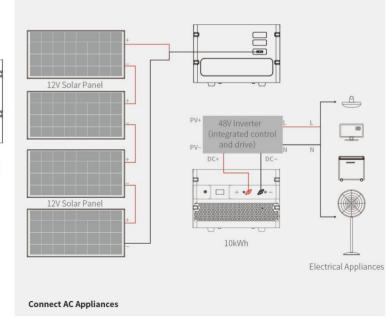
BCT-UU 48-150/200 (With MPPT)

7680 Wh 10240 Wh



Technical Parameters Model: BCT-UU 48-150(M)/BCT-UU 48-200(M)

Storage Capacity	7680Wh/10240Wh	Standard Capacity	150Ah/200Ah/51.2V
Continuous Input Current	100A	Standard Charging Voltage	57.6V—60V
Continuous Output Current	100A	Charging Voltage Of Solar Panel	120V
Maximum Solar Panel Input Current	80A	MPPT	60A
Charging Cut-Off Voltage	54.4V-62.4V	Discharge Cut-Off Voltage	36V-48V
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		

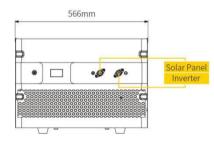


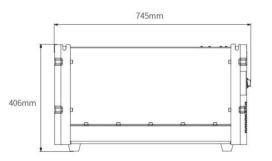
Model: UU 24-150/UU 24-200



LiFePO₄ Battery Pack

7680 Wh 10240 Wh

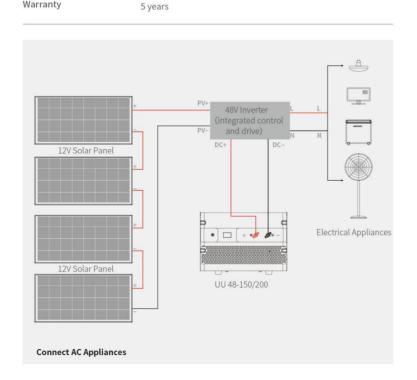




Technical Parameters

Model: UU 48-150/UU 48-200

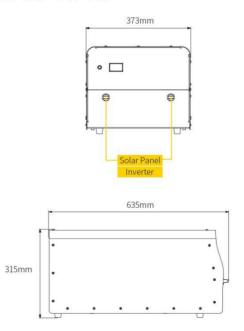
Storage Capacity	7680Wh/10240Wh	Standard Capacity	150Ah/200Ah/51.2V
Continuous Input Current	100A	Standard Charging Voltage	57.6V—60V
Continuous Output Current	100A	Maximum Charging Voltage	90V
Charging Voltage Of Solar Panel	88V	Cut-Off	36V-48V
Charging Cut-Off Voltage	55.2V-58.4V	Maximum Solar Panel Input Current	100A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth Of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		





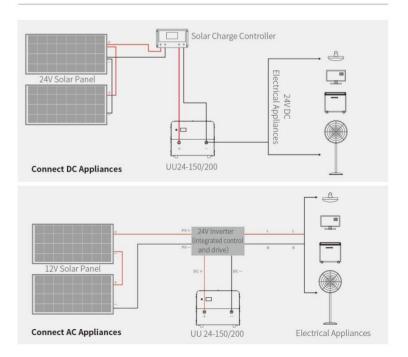
LiFePO₄ Battery Pack

3840 Wh 5120 Wh



Technical Parameters

3840Wh/5120Wh Storage Capacity Standard Capacity 150Ah/200Ah/25.6V Continuous Input Current 100A Standard Charging Voltage 28.8V—30V Maximum Charging Voltage 50V Continuous Output Current 100A Charging Voltage Of Cut-Off 18V-24V Solar Panel Maximum Solar Panel Charging Cut-Off Voltage 27.6V-29.2V 100A Input Current Over-Discharge Delay **Rshoot Delay Protection** 1000mS 1000mS Protection **Short Circuit Protection Short Circuit** Disconnect load 330uS **Protection Delay** Recovery Self-Discharge (25°) Depth of Discharge <3%/month >80% Recommended Operating Temp. Range -20°C-70°C 10°C-45°C Temperature Range >5000times(<0.5C) C-rate Discharge Cycle Life <0.8C Warranty 5 years

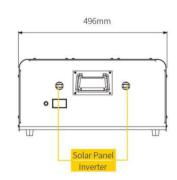


Model: UU 48-150/UU 48-200



LiFePO₄ Battery Pack

5120 Wh



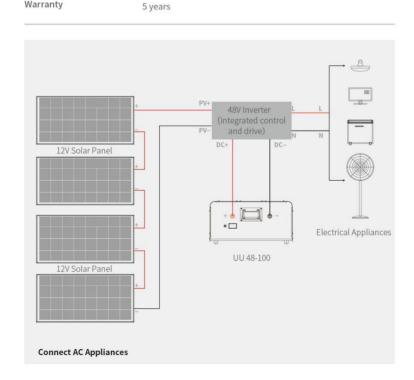


Technical Parameters

Warranty

Model: UU 48-100

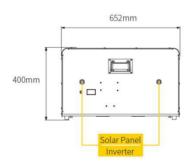
Storage Capacity	5120Wh	Standard Capacity	100Ah/51.2V
Continuous Input Current	80A	Standard Charging Voltage	57.6V—60V
Continuous Output Current	80A	Maximum Charging Voltage	90V
Charging Voltage Of Solar Panel	88V	Cut-Off	36V-48V
Charging Cut-Off Voltage	55.2V-58.4V	Maximum Solar Panel Input Current	80A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C

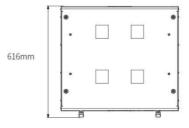




LiFePO₄ Battery Pack

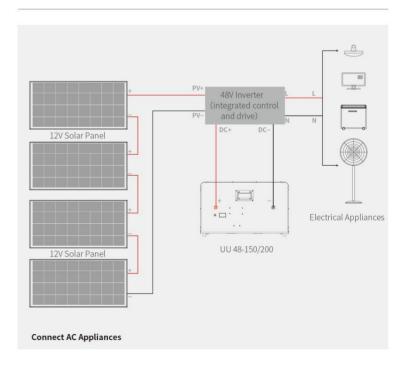
7680 Wh 10240 Wh





Technical Parameters

7680Wh/10240Wh Standard Capacity 150Ah/200Ah/51.2V **Storage Capacity** Continuous Input Current 100A Standard Charging Voltage 57.6V—60V Maximum Charging Voltage 90V Continuous Output Current 100A Charging Voltage Of Cut-Off 36V-48V Solar Panel Maximum Solar Panel Charging Cut-Off Voltage 55.2V-58.4V 100A Input Current Over-Discharge Delay **Rshoot Delay Protection** 1000mS 1000mS Protection **Short Circuit Protection Short Circuit** Disconnect load 330uS **Protection Delay** Recovery Self-Discharge (25°) Depth Of Discharge <3%/month >80% Recommended Operating Temp. Range -20°C-70°C 10°C-45°C Temperature Range Cycle Life >5000times(<0.5C) C-rate Discharge <0.8C Warranty 5 years

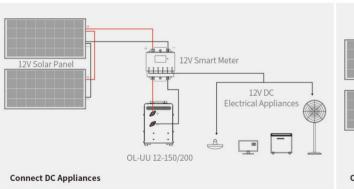


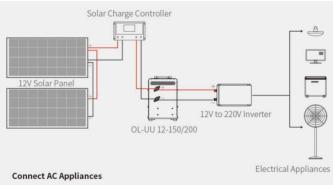


Technical Parameters

Model: OL-UU 12-150/OL-UU 12-200

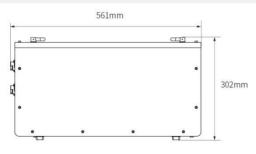
Storage Capacity	1920Wh/2560Wh	Standard Capacity	150Ah/200Ah/12.8V
Continuous Input Current	100A	Standard Charging Voltage	14.4V—15V
Continuous Output Current	100A	Maximum Charging Voltage	25V
Charging Voltage Of Solar Panel	22V	Cut-Off	9V-12V
Charging Cut-Off Voltage	13.8V-14.6V	Maximum Solar Panel Input Current	100A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth Of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C-45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		





1920 Wh 2560 Wh



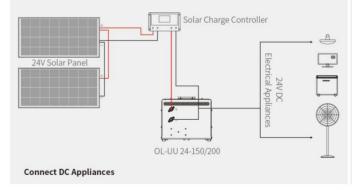


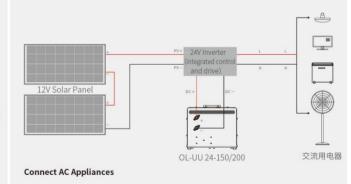


Technical Parameters

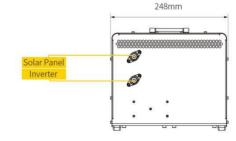
Model: OL-UU 24-150/OL-UU 24-200

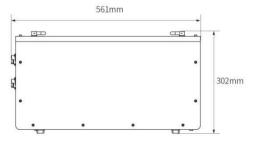
Storage Capacity	3840Wh/5120Wh	Standard Capacity	150Ah/200Ah/25.6
Continuous Input Current	100A	Standard Charging Voltage	28.8V—30V
Continuous Output Current	100A	Maximum Charging Voltage	50V
Charging Voltage Of Solar Panel	44V	Cut-Off	18V-24V
Charging Cut-Off Voltage	27.6V-29.2V	Maximum Solar Panel Input Current	100A
Rshoot Delay Protection	1000mS	Over-Discharge Delay Protection	1000mS
Short Circuit Protection Recovery	Disconnect load	Short Circuit Protection Delay	330uS
Self-Discharge (25°)	<3%/month	Depth of Discharge	>80%
Operating Temp. Range	-20°C—70°C	Recommended Temperature Range	10°C—45°C
Cycle Life	>5000times(<0.5C)	C-rate Discharge	<0.8C
Warranty	5 years		











Model: BCT-DC1.0

SOLAR PACKAGE

We have everything you need.



Solar Package is mainly composed of photovoltaic, energy storage and loads. As an independent off-grid system, generation and storage integrated, it can be charged by solar energy, then provide electricity to the loads, which can solve the problem of electricity consumption in the area without electricity. The application is wide and is not affected by the State Grid. It is a home-based power supply solution system.

Solar Package is not only a safe power supply, but also a complete system that can supply housing and ensure all living convenience without electricity and inverter during power outages. Unlike generators, UU 12-200 need no maintenance, no fuel consumption, and no noise, make your home lights always on, home appliances always run.

Technical Parameters

DC Pedestal Fan

Solar Panel	180W Mono-crystal	line Solar panel×3; 6 meter c	able
UU12-200 Discharge depend or	n loads	Warranty	5 years
Storage Capacity	2560Wh	Standard Capacity	200Ah/12.8V
Continuous input current	100A	Continuous output current	100A
Charging Voltage	14.4V—15V	Cut-Off	9V-12V
Smart Meter			
DC Output	Six circuits 12V/2A	USB Output	Two circuits 5V/
Car Charger Output	12V/10A	DC Output of Large Electrical Appliances	12V/10A
Rated Voltage	10-20V	Rated Power	800W
Measurement Accuracy	Level 1	Warranty	2 years
Standard Light			
T5 Tube Light	LED 9W	UFO Light	LED 9W
Cable Length	3m Cable		
Standard DC Appliance			
DC Freezer	40L	DC Rice Cooker	3L

Standard Products Optional Products

14 inches

U12-200	1pc	Radar Flood Light	LED 9W	99L DC Freezer
mart Meter	1pc	UFO Light	LED 9W	40L DC Freezer
olar Panel	3pcs	T5 Tube Light	LED 9W	DC Pedestal Fan
0L DC Freezer	1pc	Downlight	3/5/8 inches	DC Rice Cooker
C Rice Cooker	1pc	Embedded Downlight	3/5/8 inches	UU 12-200
C Pedestal Fan	1pc	Cable Length 2m/5m	or 10m optional	Smart Meter
FO Light	2pcs	Solar Panel 180W×2;	6m Cable (Optional to	o increase to 3 pcs)
5 Tube Light	2pcs	Red black PV Cable	Unit is 10 meters	
		Battery panel brack	et Customizable	





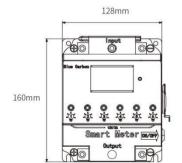


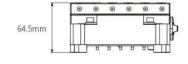
- 1 Wrench
- 2 Current Indicator
- 3 LED Display
- 4 DC Switch
- 5 XT60 Male Terminal
- 6 DC Output
- 7 USB Output
- 8 Car Charger Output
- 9 Main Switch

Technical Parameters

Six circuits 12V/2A USB Ooutput Two circuits 5V/2A DC Output DC Output of Large Electrical Appliances Car Ccharger output 12V/10A 12V/10A Rated Voltage Rated Power 800W 10-20V Measurement Accuracy Level 1

Warranty





Model: BCT-DCSM

2 years

PV Energy Storage System

. . .

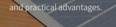
Smart Meter

This product is widely used in families, public places, commercial places, schools, office buildings, large shopping malls, residential areas and other places. Brand new optimization of the energy storage system plays a role in display, connection and protection. It is a kind of new, convenient and practical electricity meter with various load interfaces, which can meet the practical application requirements of customers, truly realize the integration of generation, storage and use, and adapt to the needs of different people for products.

. . .

Power Pad

intelligent charge and discharge controller control.



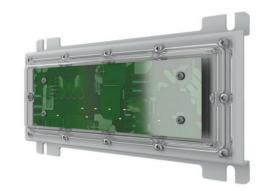


PV Energy Storage System

Battery Balance Protector

Realize the automatic balanced voltage

Balanced Voltage Extend the Life Span Increase the Endurance Scientific Heat Dissipation



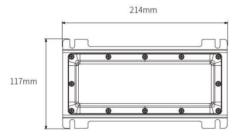


Technical Parameters

Working voltage Standby current

Protection current Reverse connection protection Working current

Working temperature -20°C-55°C Warranty 3 years

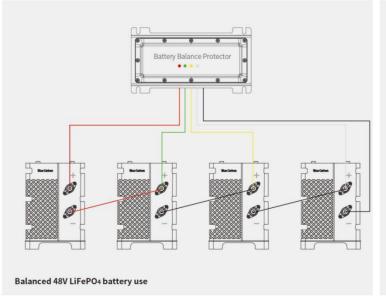


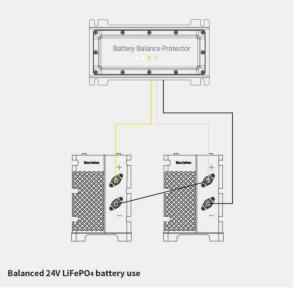


Model: BCT-BBP



Brackets for connecting in series to get 48V battery pack







Technical Parameters

Battery Electric LiFePO4 battery 42W·h LiFePO4 battery 84W·h

Solar Panel 5V/5W 5V/18W

Lighting Time
One external lamp works 20 hrs; Two external lamps work 10 hrs; Three external lamps work 7 hrs; For the built-in lamp, higher level works 16 hrs

and lower level works 32 hrs.

One external lamp works 40 hrs; Two external lamps work 20 hrs; Three external lamps work 14 hrs; For the built-in lamp, higher level works 32 hrs

and lower level works 64 hrs.

USB Output One circuit output 5V/2A DC Output Three circuits output 3.2V

External Lamp Common 6W LED×3pcs External Lamp 3 m

Cable Length
Built-in Lamp 2 Levels, higher power Warranty

2 Levels, higher power Warranty Battery warranty 5 years and lower power

PV Energy Storage System

. . .

Smart Power

This product is a type of portable micro-generation system which is designed for no or lack of electricity area. It can be used at home, outside or commercial area, field operation, camping, breeding industry, farm, night market and agritainment, etc. It also can be used as emergency lighting.





Model: BCT-DTB1.0









1 High Beam

2 Power Indicator

3 Flood Light

4 SOS Light

5 Switch

6 DC Output

7 USB Type-C Output

Model: BCT-CF1.0

8 USB Output

9 DC Input

Technical Parameters

Battery Electric LiFePO4 battery 80W·h

Solar Panel 5V/18W

Lighting Time One external lamp works 13 hrs; Two external lamps work 6 hrs; For the built-in

lamp, high beam works 8 hrs, flood light works 8 hrs and SOS light works 26 hrs.

External Lamp Common 6W LED×2pcs

us S USB Output

One circuit output 5V/2A

Built-in lamp High Beam (Common 9W LED)

Type-C Output One circuit output 5V/2A

Flood Light (Common 9W LED)

DC Output Two circuits DC output 3.2V

SOS Light (Common 3W LED)

External Lamp Cable Length 3m

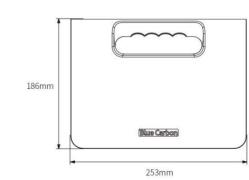
Warranty Battery warranty 5 years

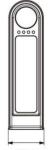
Carbon Free

PV Energy Storage System

. . .

It is a portable spower geneation/storage/lighting device, designed for areas without electricity or less electricity. Can be used for home, outdoor activities, commercial places, tourisum, camping, farms, plantations, night markets, restaurants, farmhouses, etc. Can be used as a necessary power backup for survival activities. This product needs no wires and installation. It has the strengths of DC low-voltage output, high safety, no consumption of electricity, and a long life, and is energy saving and environmental friendly.







Technical Parameters Model: BCT-SPS 12-80

Storage Capacity

80Ah/12.8V

Standard Capacity 1024Wh

USB Output Two output 5V/2A, 9V/2A

DC Output Three output 12V/2A

12V/10A Car Charger Output

Type-C Output 5V/2A, 9V/2A, 12V/2A

14.6V-20V **Charging Voltage**

Cut-Off 2.5V single cell

AC Output Power 220V/1.1KW

AC Output Frequency 50Hz; Pure sine wave

Depth of Discharge >80%

Self-Discharge (25°C) <3%/month

Working Temperature Range -20°C-70°C

Recommended Temperature Range 10°C-45°C

Battery warranty 3 years Warranty

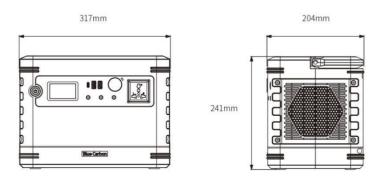
PV Energy Storage System

1kWh Solar Power System

. . .

1kWh solar system can be charged by solar, to store the electricity, with inverter built-in, can directly supply the power to the electric appliances when power outage. It is one comprehensive storage system integrating generation, storage and usage. Unlike generators, 1kWh solar system need no maintenance, no fuel consumption, and no noise, make your home lights always on, home appliances always run. It is easy to install, simple design, and perfect fit for a variety of architectural styles, apply for family, business, industry, aquaculture, planting, field work, camping tourism, night market, etc.





8 AC Output

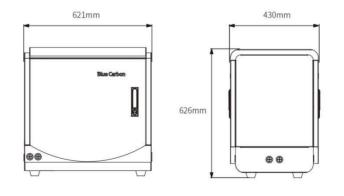
9 DCInput

Technical Parameters Model: BCT-SPS 32-360

Warranty

3 years

Storage Capacity 360Ah/28.8V Standard Capacity 10368Wh Solar Panel 24V/300W; 6pcs Solar Panel Charging Current <60A Load Can be Run Simultaneously ≤2kW DC Output 2kW Charging Voltage 32V-40V Cut-Off 22V-25V Self-Discharge (25°C) <3%/month Depth of Discharge >80% Working Temperature Range -20°C-70°C Recommended Temperature Range 10°C-45°C





2 Industrial Cabinet Lock

3 AC Input Switch

4 AC Input

5 DC Input Socket

6 Dust Plug

PV Energy Storage System

10kWh Commercial **Lighting System**

. . .

The 10kWh commercial lighting system consists of 10kWh energy storage cabinets, DC lights and solar panels, and it is an energy storage DC lighting system using solar panel charging, storing power, and supplying directly to the DC lamp without inverter, and suitable for commercial lighting.

PV Energy Storage System

3kWh Solar Power System

Technical Parameters

Solar Panel Charging Current	40-60A, <80A	Cut-Off	18V-24V
Run Load at the Same Time	≤1.5KW	Self-Discharge (25°C)	<3%/month
Storage Capacity	3328Wh	Depth of Discharge	>80%
Standard Capacity	130Ah/25.6V	Operating Temp. Range	-20°C—70°C
Electricity Charging Current	5A	Recommended Temperature Range	10°C-45°C
Electricity Charging Voltage	220V/50Hz	AC Output	220V/1.5kW
Charging Voltage	28.8V-30V	AC Output Waveform Frequency	Pure sine wave 50Hz

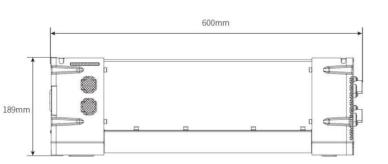
Model: BCT-SPS 24-130





- 1 Switch
- 2 Ammeter Display
- 3 AC Output
- 4 Utility Switch
- 5 Mains Input
- 6 DC Input

















Kuwait















