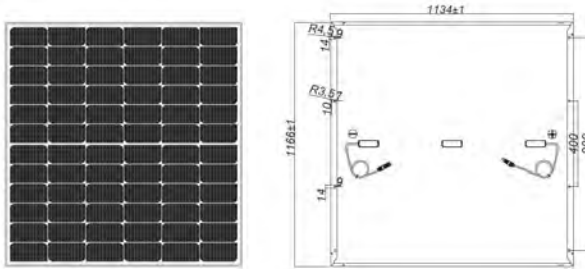




SOLAR PANEL
MONO-CRYSTALLINE

300W

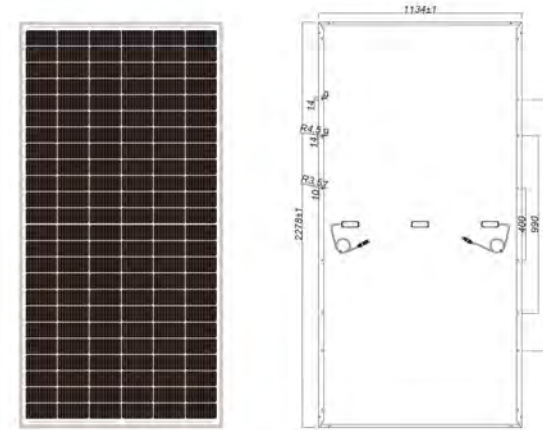
12-year quality assurance;
25-year linear output power guarantee.



SOLAR PANEL
MONO-CRYSTALLINE

550W

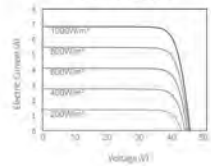
12-year quality assurance;
25-year linear output power guarantee.



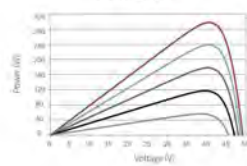
Electrical Characteristics

Maximum Power at STC(Pmax)	300W
Optimum Operating Voltage(Vmp)	41.60V
Optimum Operating Current(Imp)	7.21A
Open-Circuit Voltage(Voc)	48.05V
Short-Circuit Current (Isc)	7.91A
Component Efficiency (%)	22.6%
Temperature Coefficient (Pmax)	-0.34%/C
Temperature Coefficient (Voc)	-0.27%/C
Temperature Coefficient (Tsc)	+0.045%/C
Maximum Fuse Rated Current	25A
Operating Temperature	-40°C-85°C
Max System Voltage	1500V DC
Power Tolerance	±3%

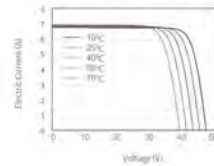
Current Voltage Curve



Power Voltage Curve



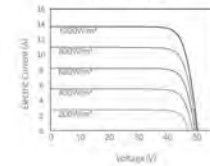
Current Voltage Curve



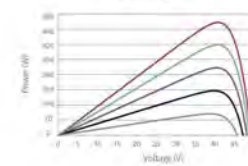
Electrical Characteristics

Maximum Power at STC(Pmax)	550W
Optimum Operating Voltage(Vmp)	42.10V
Optimum Operating Current(Imp)	13.07A
Open-Circuit Voltage(Voc)	50.10V
Short-Circuit Current (Isc)	13.95A
Component Efficiency (%)	21.5%
Temperature Coefficient (Pmax)	-0.34%/C
Temperature Coefficient (Voc)	-0.27%/C
Temperature Coefficient (Tsc)	+0.045%/C
Maximum Fuse Rated Current	25A
Operating Temperature	-40°C-85°C
Max System Voltage	1500V DC
Power Tolerance	±3%

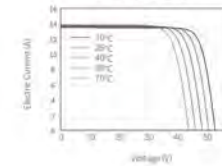
Current Voltage Curve



Power Voltage Curve



Current Voltage Curve



*Specifications are subject to change without notice at any time.

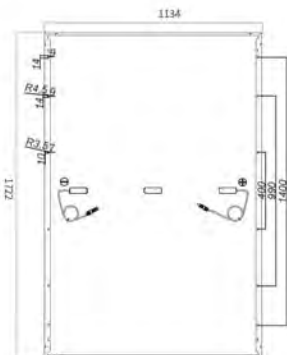
*Specifications are subject to change without notice at any time.



SOLAR PANEL
MONO-CRYSTALLINE

420W

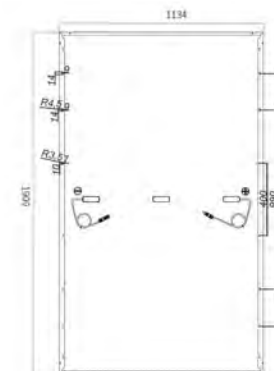
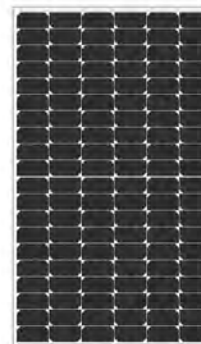
12-year quality assurance;
25-year linear optical power guarantee.



SOLAR PANEL
MONO-CRYSTALLINE

460W

12-year quality assurance;
25-year linear optical power guarantee.

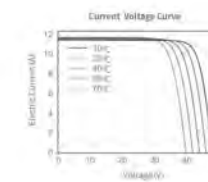
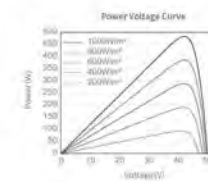
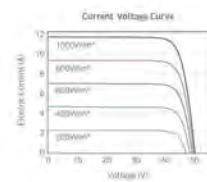
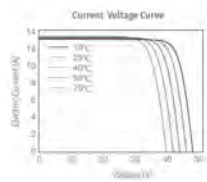
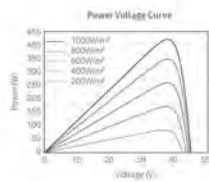
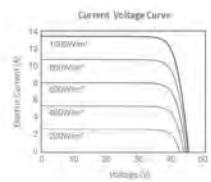


Electrical Characteristics

Maximum Power at STC (Pmax)	420W
Optimum Operating Voltage (Vmp)	31.64V
Optimum Operating Current (Imp)	13.27A
Open-Circuit Voltage (Voc)	38.07V
Short-Circuit Current (Isc)	13.96A
Temperature Coefficient (Pmax)	-0.34%/C
Temperature Coefficient (Voc)	-0.27%/C
Temperature Coefficient (Isc)	+0.045%/C
Maximum Fuse Rated Current	25A
Operating Temperature	-40°C-85°C
Max System Voltage	1500V DC
Power Tolerance	±3%

Electrical Characteristics

Maximum Power at STC (Pmax)	460W
Optimum Operating Voltage (Vmp)	34.50V
Optimum Operating Current (Imp)	13.33A
Open-Circuit Voltage (Voc)	41.78V
Short-Circuit Current (Isc)	14.05A
Temperature Coefficient (Pmax)	-0.34%/C
Temperature Coefficient (Voc)	-0.27%/C
Temperature Coefficient (Isc)	+0.045%/C
Maximum Fuse Rated Current	25A
Operating Temperature	-40°C-85°C
Max System Voltage	1500V DC
Power Tolerance	±3%



*Specific values are subject to change without notice at any time.

*Specific values are subject to change without notice at any time.



5/5/7.2kWh

5 Years Warranty

(Power Generation-Storage-Inverter BOX)

INVERTER BOX

BCT-B3.5-V24-200/250/300(LFP)



10/12/15kWh

5 Years Warranty

(Power Generation-Storage-Inverter BOX)

INVERTER BOX

BCT-B5.5-V48-200/250/300(LFP)

Solar Panel	
Power	300W
Open-Circuit Voltage (Voc) [V]	48.05V
Optimum Operating Voltage (Vmp) [V]	41.60V
Short-Circuit Current (Isc) [A]	7.91A
Optimum Operating Current (Imp) [A]	7.21A
Component Efficiency [%]	22.6%
LiFePO4 Battery	
Nominal Voltage	24V
Nominal Capacity	200Ah/250Ah/300Ah
Electricity (kWh)	5.12kWh/6.4kWh/7.68kWh
Inverter	
Rated Power	3.5kW
Max. input Voltage	230Vac
Rated Frequency	50Hz / 60Hz (auto-sensing)
AC Voltage Regulation (Batt. Mode)	230Vac ± 5%
Waveform	Pure Sine Wave
Battery Voltage	24Vdc

*Specifications are subject to change without notice at any time.

Solar Panel	
Power	550W
Open-Circuit Voltage (Voc) [V]	50.10V
Optimum Operating Voltage (Vmp) [V]	42.10V
Short-Circuit Current (Isc) [A]	13.95A
Optimum Operating Current (Imp) [A]	13.07A
Component Efficiency [%]	21.5%
LiFePO4 Battery	
Nominal Voltage	48V
Nominal Capacity	200Ah/250Ah/300Ah
Electricity (kWh)	10.24kWh/12.8kWh/15.36kWh
Inverter	
Rated Power	5.5kW
Max. input Voltage	230Vac
Rated Frequency	50Hz / 60Hz (auto-sensing)
AC Voltage Regulation (Batt. Mode)	230Vac ± 5%
Waveform	Pure Sine Wave
Battery Voltage	48Vdc

*Specifications are subject to change without notice at any time.



True blue

LiFePO₄ Battery Pack

SMART-BCT-V-24-200/250/300

5.12/6.4/7.68kWh

*Need 10min battery with 100% DOD, pls consult us first.

5 Years Warranty



True blue

LiFePO₄ Battery Pack

SMART-BCT-V-48-200/250/300

10.24/12.8/15.36kWh

*Need 10min battery with 100% DOD, pls consult us first.

5 Years Warranty

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	24V(25.6V)

Input

Full Charge Voltage	28.8V-30V
Maximum Charging Voltage	50V
Input Voltage Range	30V-50V
Continuously Use Input Current	100A

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	20V-24V
Instant Start Current	400A
Instant Start Current Time	10S

Battery

Cell Type	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (<0.5C)

Other

Product Size	507(±5)×212(±5)×614(±5)mm
Package Size	668(±2)×328(±2)×706(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V(51.2V)

Input

Full Charge Voltage	56V-60V
Maximum Charging Voltage	90V
Input Voltage Range	60V-100V
Continuously Use Input Current	100A

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	38V-48V
Instant Start Current	300A
Instant Start Current Time	10S

Battery

Cell Type	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (<0.5C)

Other

Product Size	507(±5)×212(±5)×1188(±5)mm
Package Size	668(±2)×645(±2)×678(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.




LiFePO₄ Battery Pack

BCT-UU 24-200/250/300

5.12/6.4/7.68kWh

5 Years Warranty




LiFePO₄ Battery Pack

BCT-UU 48-200/250/300

10.24/12.8/15.36kWh

5 Years Warranty

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	24V(25.6V)

Input

Full Charge Voltage	28.8V-30V
Maximum Charging Voltage	50V
Input Voltage Range	30V-50V
Continuously Use Input Current	100A

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	20V-24V
Instant Start Current	400A
Instant Start Current Time	10S

Battery

Cell Type	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (<0.5C)

Other

Product Size	616(±5)×356(±5)×292(±5)mm
Package Size	680(±2)×430(±2)×372(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V(51.2V)

Input

Full Charge Voltage	56V-60V
Maximum Charging Voltage	90V
Input Voltage Range	60V-100V
Continuously Use Input Current	100A

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	38V-48V
Instant Start Current	300A
Instant Start Current Time	10S

Battery

Cell Type	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (<0.5C)

Other

Product Size	798(±5)×565(±5)×401(±5)mm
Package Size	903(±2)×671(±2)×451(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.



LiFePO₄ Battery Pack

UU 12-100
UU 12-200/250/300

1.28kWh 2.56/3.2/3.84kWh

5 Years Warranty



LiFePO₄ Battery Pack

BCT-UU 12-200/250/300

2.56/3.2/3.84kWh

5 Years Warranty



Basic Specifications		
Model	UU 12-100	UU 12-200/250/300
Nominal Capacity	100Ah	200Ah/250Ah/300Ah
Nominal Voltage	12V(12.8V)	12V(12.8V)
Input		
Full Charge Voltage	14.4V-15V	14.4V-15V
Maximum Charging Voltage	25V	25V
Input Voltage Range	15V-30V	15V-30V
Continuously Use Input Current	80A	100A
Output		
Continuously Use Output Current	80A	100A
Discharge Cut-off Voltage	10V-12V	10V-12V
Instant Start Current	400A	400A
Instant Start Current Time	10S	10S
Battery		
Cell Type	LiFePO ₄ Battery/LFP	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%	>80%
C-rate Discharge	<0.8C	<0.8C
Cycle Life	> 6000 times (< 0.5C)	> 6000 times (< 0.5C)
Other		
Product Size	507(±5) × 144(±5) × 188(±5)mm	495(±5) × 180(±5) × 276(±5)mm
Package Size	575(±2) × 220(±2) × 260(±2)mm	575(±2) × 260(±2) × 335(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.

Basic Specifications	
Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	12V(12.8V)
Input	
Full Charge Voltage	14.4V-15V
Maximum Charging Voltage	25V
Input Voltage Range	15V-30V
Continuously Use Input Current	100A
Output	
Continuously Use Output Current	80A
Discharge Cut-off Voltage	10V-12V
Instant Start Current	400A
Instant Start Current Time	10S
Battery	
Cell Type	LiFePO ₄ Battery/LFP
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (< 0.5C)
Other	
Product Size	831(±5) × 540(±5) × 90(±5)mm
Package Size	895(±2) × 628(±2) × 181(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.



LiFePO₄ Battery Pack

SMART-BCT-V-48-200/250/300 (P)

10.24/12.8/15.36kWh

5 Years Warranty



Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V(51.2V)
Rated Current	100A

Battery

Communication Interface	RS485/CAN
Storage Temperature Range	-10°C-30°C
Operating Temperature Range	0°C-50°C
Relative Humidity	5-95%RH
Atmospheric Pressure	Below 5000
Self-Discharge(25°C)	<3%/month
Depth of Discharge	>80%
C-rate Discharge	0.8C
Cycle Life	> 6000 times (<0.5C)

Other

Parallel	Up to 15 pcs
Product Size	507(±5) × 212(±5) × 1218(±5)mm
Package Size	668(±2) × 605(±2) × 731(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM

*Specifications are subject to change without notice at any time.



Inverter

DT3.5KSG-INV24 DT5.5KSG-INV48 & DT5.5K-INV48P

Single Phase Off-Grid Solar Inverter

RS485

Communication Port

Rated Power

3500VA/3500W

5500VA/5500W

Input

Voltage	230Vac
Selectable Voltage Range	170Vac~280Vac(for personal computers); 90Vac-280Vac(for home appliances)
Frequency Range	50Hz/60Hz(auto sensing)

Output

AC Voltage Regulation (Batt. Mode)	230Vac±5%	230Vac±5%
Surge Power	7000VA	11000VA
Overload Capability	5s@>150%load; 10s@110%-150%load	5s@>150%load; 10s@110%-150%load
Efficiency (Peak)	97%	94%

Battery

Battery Nominal Voltage	24Vdc	48Vdc
Floating Charge Voltage	27Vdc	52Vdc
Overcharge Protection	31Vdc	62Vdc

Solar Charger & AC Charge

Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	5000W	6000W
MPPT Range	120Vdc~500Vdc	120Vdc~450Vdc

Protection

Protection	AC Short Circuit Protection, AC Over Current Protection, Over Temperature Protection, etc.
------------	--

General Data

Dimension (W x H x D)	472x298x129mm	472x297x133mm
Net Weight	9.5kg	10.5kg
Protect Degree	IP21	IP21
Operating Temperature	0°C~+55°C	0°C~+55°C
Storage Temperature	-15°C~+60°C	-15°C~+60°C
Parallel	No	No/Up to 6 pcs

*Specifications are subject to change without notice at any time.



PV Energy Storage System
Carbon Free
 BCT-CF1.0

- CREE**
 LED
(Powered by Cree LED™ Products)
- Powered by Cree LED™ Products
 - Small size, convenient to carry
 - Built-in led and outer led all can meet



- High Beam
- Power Indicator
- Flood Light
- SOS Light
- Switch
- DC Output
- USB Type-C Output
- USB Output
- DC Input



- Handle
- Master Switch
- Display
- Type-C Output
- USB Output
- DC Output
- Car Charger Output
- AC Output
- DC Input

SOLAR-STORAGE-APPLICATION INTEGRATED SYSTEM

1kWh (Solar Power System)
 BCT-SPS 12-80

- With generation, storage and usage integrated
- With its own inverter design
- With folding handle, portable



Technical Parameters	
Battery Electric	LiFePO4 battery 80W·h
Solar Panel	5V/15W
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 X2pcs; line length 3m
Built-in lamp	High Beam (Common 9W LED), Flood Light (Common 9W LED), SOS Light (Common 3W LED)
USB Output	One circuit output 5V/2A
Type-C Output	One circuit output 5V/2A
DC Output	Two circuits DC output 3.2V
Warranty	Battery warranty 5 years

*Specifications are subject to change without notice at any time.

Technical Parameters	
Electricity (kWh)	1024Wh
USB Output	Two output 5V/2A, 9V/2A
DC Output	Three output 12V/2A
Car Charger Output	12V/10A
Type-C Output	5V/2A, 9V/2A, 12V/2A
AC Output Power	220V/1.1KW
AC Output Frequency	50Hz; Pure sine wave
Depth of Discharge	>80%
Warranty	Battery warranty 3 years

*Specifications are subject to change without notice at any time.



Direct Current Apparatus

DC Air Conditioner

DC-SAC-9000/24



DC Power Supply



Independent Refreshing and Dehumidifying



Temperature Query



Beautiful Light



Strong Run



Bass Run

Technical Parameters

Name	DC Air Conditioner
Nominal Voltage	20V-30V
Refrigerating Capacity	2500W
Electric Power	700W
Refrigerating Fluid	R134a
BTU	9000
Applicable Area	20-40m ²
Installation	Hang a Wall

*Specifications are subject to change without notice at any time.



Direct Current Apparatus

60L DC Freezer

DC-SAF-60



Lock-Fresh And Keep Cold



Silent Operation



Efficient Refrigeration



Low Frost Storage



Green Environmental Protection



Small Size Without Land Occupation

Technical Parameters

Name	DC Freezer
Power	86W; 293Btu/h
Available Capacity	60L
Volume of Freezer	60L
Freezing Temperature	≤ -18°C
Input Voltage	DC12V

*Specifications are subject to change without notice at any time.



True blue

Direct Current Apparatus

DC FAN

BCT-DCFAN



Clean air supply



The hood is easy to remove and wash



Strong Wind



Wide angle air supply



Low working sound



Lightweight fuselage

Technical Parameters	
Name	DC Fan
Power	3-24W
Voltage	12V
Gear	9 Skills
Function	120° large angle swing head
Wind Blade	Five-leaf inner fan, nine-leaf outer fan
Timing	8 hrs

*Specifications are subject to change without notice at any time.



STORAGE ENERGY
With solar energy to achieve clean energy charging.



SUPPLY POWER FOR HOME
No or power unstable, can power for the home with the storage energy.



DC APPARATUS
Whole package, DC appliances are complete.



DC TIMES

It is a home-based power supply solution system.

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.