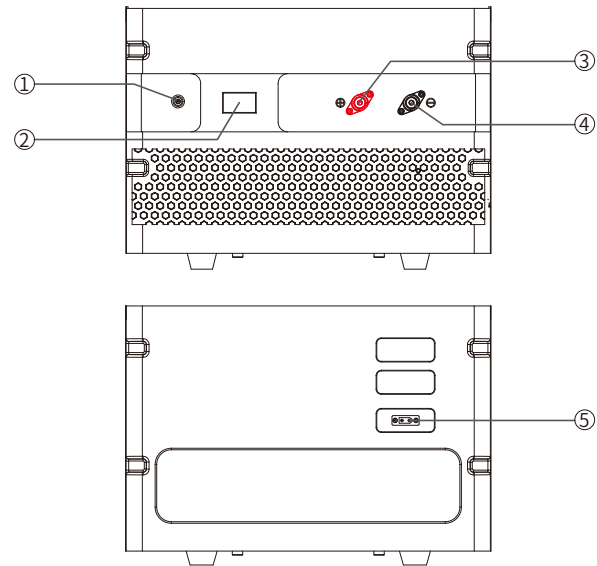
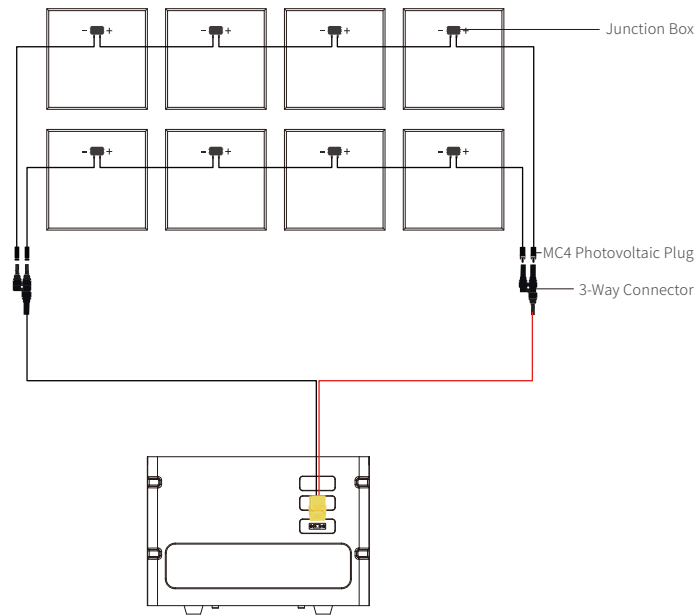
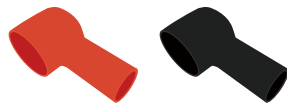
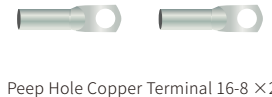
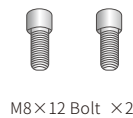


Welcome to BCT-UU 48-150/180/200/250/300/350(M)

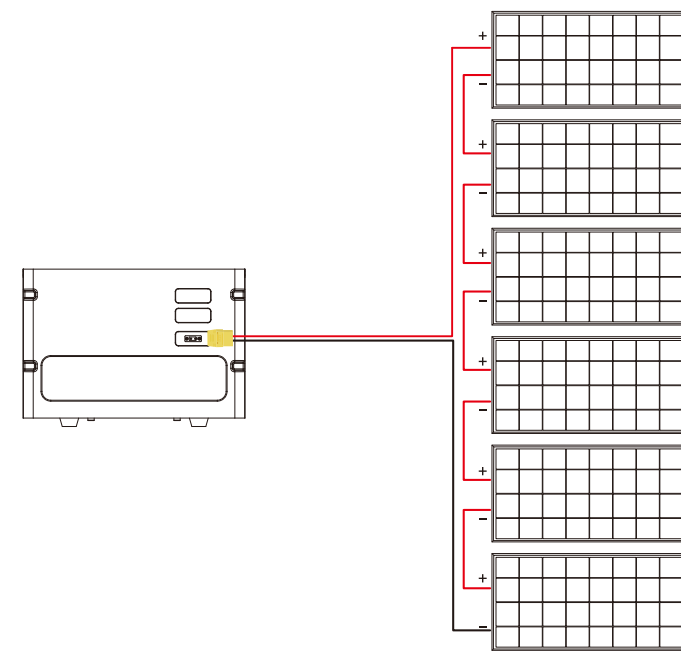


- ① Switch
Press to turn on or off
- ② Display Screen
- ③ Positive Terminal
- ④ Negative Terminal
- ⑤ Charging Port



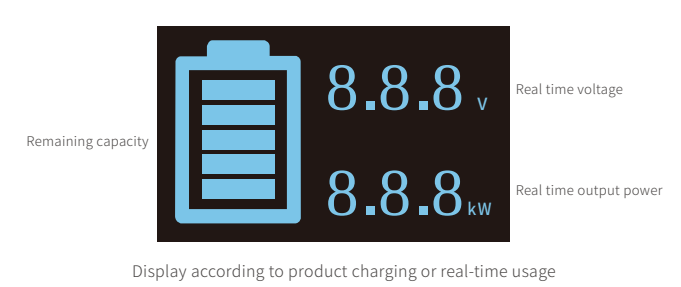
- ⚠ During the installation, do not connect the positive and negative poles reversely, incorrect connection will cause damage to the product!
- It is recommended to use the battery board of the supporting manufacturer and use the connection mode of 4 series and 2 parallel for charging, 24V battery boards from other manufacturers are used, and it is recommended to connect up to 3 in series.
1. Connect four 24V battery panels in series, and then connect two groups in parallel.
 2. Connect the wires of the battery board junction box to the 3-way connector according to the positive and negative poles.
 3. Connect the wire on the 3-way connector to the xt90 female terminal, and then align the XT90 female terminal with the male terminal of product to charge the product.

Charge



Multiple 12V battery panels (up to 6) can be charged in series

Display

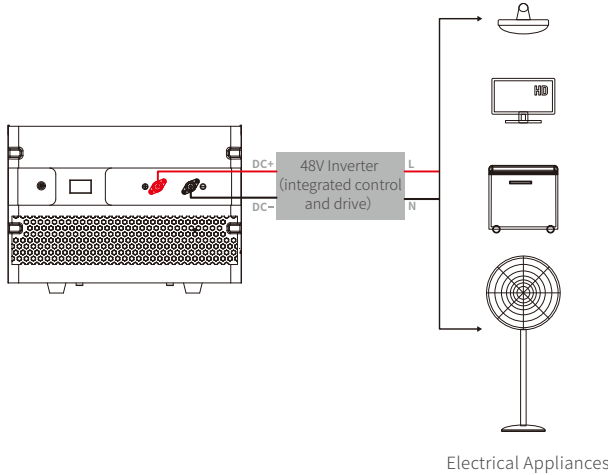


⚠ Notes for Usage

Prohibit overload use

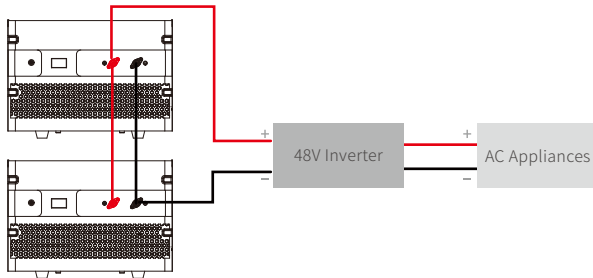
1. Continuously use output current <100A.
2. DC overload protection: when display screen turn off, it can be restored by cutting off the DC load or recharging the battery pack.

48V Battery pack connected to AC electrical appliances



48V Battery pack connection diagram of parallel connection battery pack

48V Battery Pack are not allowed to be used in series!!!



Attention

01. Risk of short circuit may be caused due to incorrect connection operation.
02. Overload use is strictly prohibited.
03. Can connect in parallel up to 2 pcs.
04. During installation and electrical appliances installation, the DC voltage of the solar system may be twice more than the voltage of system (e.g. 12V system with 24V, 24V system with 48V), so it is important to use well-insulated tools.
05. The charging voltage of 48V battery pack (with MPPT) shall not exceed 150V, 48V battery pack can't be connected in series.
06. Do not use any measuring tools that are damaged or defective.
07. When you install the system, make sure the fire protection measures do not fail. Do not store the product indoors where any combustible gas or gas mixture is stored.
08. The symbols, logos and labels on the outer surface of the product cannot be modified or removed without notice.
09. All installation work must be carried out under international electrical specifications and related local configurations.
10. Do not use the product outdoors in rainy days.
11. Never throw the product into water, please keep it under dry, shady and cool circumstance when not use.
12. Smoking, naked flame and connecting to unprotected lamps are prohibited while operating batteries; Keep away from fire when using.
13. It is strictly forbidden to disassemble and repair or replace the battery without authorization.
14. Never knock, throw or trample the product.
15. Never connect the positive and negative of product with metal.
16. Never cut through the product with nail or other edge tool.
17. Never ship or store the product together with metal.
18. Never use or keep the product under the high temperature. Otherwise it will cause product heat, get into fire or lose some function and reduce the life. The proposed temperature for long-term storage is 10-35°C.

19. Never throw the product into fire or heating machine to avoid fire, explosion and environment pollution; scrap product should be returned to the supplier and handled by the recycle station.
20. Never use the product under strong static and strong magnetic field, otherwise it will destroy the protecting device.
21. Do not soak in water or clean the battery pack; Clean the dirty electrode, if any, with a clean dry cloth, or poor contact or operation a failure may occur.
22. The product should be stored in half SOC. It needs to be charged once if out of use for as long as half a year.
23. Prior to charging, fully check the insulativity, physical condition and ageing status, since breakage and ageing are never allowed.
24. The restricted use current marked on the product is not applicable to the inductive load. Under normal conditions, the instantaneous start current of the inductive load is three times that of the normal operation.

Application Environment

01. Ambient temperature: 0°C~55°C;
02. Storage temperature: -20 °C ~ + 40 °C;
03. Relative humidity: not more than 85%;
04. Atmospheric pressure: below altitude 5000;
05. The application place not allowed contain the explosive media. The surrounding medium should not contain corrosive metals, gases and conductive media that damage insulation. It is not allowed have the water vapor and severe mold.
06. The place of application should have facilities to protect against rain, snow, wind, sand and ash.

Storage and Transportation

01. During loading of battery, attention must be paid against dropping, turning over and serious stacking.
02. Battery should be kept at -20°C—40°C in warehouse where it's dry, clean and well-ventilated.
03. Based on the character of cell, proper environment for transportation of product need to be created to protect the battery.
04. It should be properly protected during storage and transportation to maintain a SOC level of about 50% to ensure that no short circuit or liquid enters the product or is immersed in a liquid (e.g. water, oil, etc.).

Statement

01. The manufacturer will not undertake any loss caused by earthquake, flood, thunder or any other natural disasters, fires not caused by the product itself and theft and damage caused by accidents.
02. The manufacturer will not undertake any loss by customers connecting the product with other unmatched devices or installing in inadequate conditions.
03. The battery pack should not be used under overvoltage. The open circuit voltage of the 12V battery pack cannot exceed 22V; the open circuit voltage of the 24V battery pack cannot exceed 44V; the open circuit voltage of the 48V battery pack cannot exceed 88V. Our company is not responsible for any loss caused by fire or other faults caused by over-voltage use.

* The below damage is not within warranty:

1. Wrong connection between positive and negative.
2. Overload of electrical appliances.
3. The outlook is badly broken (because of human damage, scrape, fall down, assemble the products).
4. Water in (because of put under rain or any other way result in products wet).
5. If use any other not belong to standard accessories add to the products result in goes bad (led or other equipment not match the products). When use the products please keep away from the fire, please not through freely.

PRODUCT MANUAL

BCT-UU 48-150/180/200/250/300/350(M)

Directions for Use

