12V/150Ah

LiFePO4 Battery Pack

BCT UU 12-150 LiFePO4 Battery Pack

Application Places

For no city power areas, the battery pack can be charged by solar panels and used for night lighting; For the areas that city power is expensive, the battery pack can be charged during the electricity valley value period, and used at the peak power period; For the areas which power off from time to time, the battery pack can be used as UPS, to avoid information loss caused by sudden power outage. The battery pack is applicable to commercial lighting, industrial lighting, home lighting, outdoor lighting, camping tourism, farming, planting, the night market stalls, etc.

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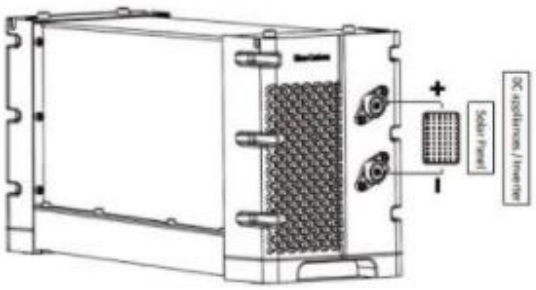
Advantages

- All in one mould design and production, easy to install.
- With longer span life LiFePO4 battery, over 12 years lifespan, ensure the whole set products' life span.
- High quality aluminium magnesium alloy, anti-corrosion, substantial, durable, artistic, practical. High craft manifesting production value of famous brand.
- Dustproof structure d esign, DC output, safe and reliable.
- Integrated packaging, safe and convenient to transport.

Technical Parameters

Model	UU 12-150		
Rated voltage	12.8V	Standard capacity	150Ah
Max input protect current	50A	Max output protect current	100A
Continiously use output current		80A	
Charging voltage	14.4V—14.6V	Cut-off	2.5V single cell
Self-Discharge (25°C)	<3%/month	Depth of discharge	Up to 95%
Charge method (CC/CV)	Operation: -20°C—70°C; Recommendation: 10°C—45°C		
Cycle life	Discharge cycle 2000 times< 1C, Discharge cycle 4000 times< 0.4C		
Warranty	5 years		
Packing Size	490mm×144mm×188mm/pc		

BCT Instructions



Attention:

1. Follow the picture to connect the wire, please do not connect in wrong way, otherwise it will result in burning of electrical appliances.
2. LiFePO4 battery pack can be charged both by solar panels and city power, used as the laptop charger.
3. It is prohibited to put the battery pack outside in the rainy days.
4. It is prohibited to repair or disassemble the battery pack by the non-professional persons.
5. If battery discharge current exceeds the maximum discharge current, the battery will stop working. This is battery protection phenomenon, will be work again when was charged.

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The Advantages and Characteristics of LiFePO4 Battery

- Volume: The capacity of LiFePO4 battery is bigger than lead- acid cell, with the same volume, it is double of Lead-acid battery.
- Weight: LiFePO4 is light. The weight is just 1/3 of lead-acid cell with the same capacity.
- Discharge rate: LiFePO4 battery can discharge with maximum current , it is used in electric vehicles and electric bicycles.
- No memory effect: No matter the LiFePO4 Battery is in which conditions, it can be charged and discharged whenever you like, no need to discharge totally then charge for it.
- Durability: The durability of LiFePO4 Battery is powerful and consumption is slow. The time of charging and discharging is more than 2000times. After 2000times circulation, the capacity of the battery is still more than 80%.
- Security: LiFePO4 battery passed the strict safety testing, with higher safety performance.
- Environmental protection: Lithium materials not have any poisonous and harmful substance. It is regarded as green and environmental protection battery. The battery has no any pollution no matter in the process of production or in the process of using.
- Well graded and combination. After multi-selection, to ensure each cell qualified with long life;
- The connection tech of all interface, be safe and durable, with simple maintenance.
- Multi-layer protection structure, could be waterproof, shockproof, anti explosion and fire.
- Various joints, could be customized, safe and durable for long run.
- Security and reliability,compared with lead-acid battery, the materials of LiFe PO4 is the securest, the best choice of solar energy storage battery.

Storage and Transportation

- Based on the character of cell, proper environment for transportation of LiFePO4 battery pack need to be created to protect the battery.
- Battery should be kept at -20°C—45°C in warehouse where it' s dry, clean and well-ventilated.
- During loading of battery, attention must be paid against dropping, turning over and serious stacking.

Notices

- Never use or keep the battery under the high temperature. Otherwise it will cause battery heat, get into fire or lose some function and reduce the life. The proposed temperature for long-term storageis 10-45℃.
- Never throw the battery into fire or heating machine to avoid fire, explosion and environmentpollution; scrap battery should be returned to the supplier and handled by the recycle station.
- Never use the battery under strong static and strong magnetic field, otherwise it will destroy the protecting device.
- If battery leaked, the electrolyte get into eyes, please don' t knead, please wash eyes by water and send to hospital. Otherwise it will hurt eyes.
- If battery emit peculiar smell, heating, distortion or appear any unconventionality duringusing, storage or charging process, please take it out from device or charge and stop using.
- Never cut the battery in socket directly; please use the stated charger when charging.
- Check the voltage of battery and relevant connectors before using the battery. It can' t be used until everything turns out to be normal.
- Prior to charging, fully check the insulativity, physical condition and ageing status, since breakage and ageing are never allowed; the pack voltage must not be less than 10V,if not, it' s abnormal and that battery needs to be labeled. The user should contact our Customer Service Dept and It can' t be charged until repaired by our staff.
- The battery should be stored in half SOC. It needs to be charged once if out of use foras long as half a year.
- Clean the dirty electrode, if any, with a clean dry cloth, or poor contact or operation failure may occur.

Warning

- Never knock, throw or trample the battery.
- Never upside down the positive and negative.
- Never connect the positive and negative of battery with metal.
- Never ship or store the battery together with metal.
- Never cut through the battery with nail or other edge tool.
- Never throw the battery into water, please keep it under dry, shady and cool circumstance when not use.