







Modular design
Easy maintenance and replacement



efficiency
Charge and discharge efficiency is above 95%



Waterproof rating
IP20



Service life
10 years

Rechargeable Li-ion Battery Pack TC B05 III

Our home energy storage system uses lithium iron phosphate batteries and operates under the intelligent control of BMS. It is mainly used to store electricity generated by solar photovoltaic panels, the grid or other renewable energy sources. They provide a way to store excess energy during times of low usage or insufficient energy and discharge it when needed, such as during peak hours or power outages. We provide a reliable and long-lasting green energy solution to power your home.



- Battery capacity: 102Ah
- Battery voltage 51.2V
- Discharge depth 98%
- Easy Installation
- Communication CAN/RS485
- Long life

Technical Specification	
Model	TC B05 III
Type of Battery	LiFePO4
Energy	5222Wh
Nominal battery capacity(kWh)	5.222kwh
Usable battery capacity(kWh)	5.118kwh
Rated DC Power	5kw
Capacity	102AH
Standard voltage	51.2V
Operating Voltage Range	40~58.4V
Maximum Charging Current	100A
Maximum Discharge Current	100A
Standard Charging Current	50A
Standard Discharge Current	50A
Depth of Discharge	98%
Service Life	10 years
Cells in Series and Parallel	1 in parallel and 16 in series
Operating Temperature	Charge: +5~ +60℃ Discharge: -10 ~ +60℃
Operating Humidity	5~95%
Standard Working Height	<3000m
Level of Protection	IP20
Communication Channel Number	CAN/RS485
Certificate	MSDS、CE、UN38.3、ROHS
Installation Method	floor-type
Weight	45±3 kg
Country of Origin	China

