

24V 100Ah

LITHIUM ION BATTERIES

BCT-V-24-100



Clean energy



Storing energy



Household appliances



TECHNICAL PARAMETERS

Basic Specifications		Battery	
Nominal Capacity	100Ah	Cell Type	LiFePO ₄ Battery/LFP
Nominal Voltage	24V(25.6V)	Storage Temperature Range	Short-Term -20°C-40°C(Within 1 Month) Long-Term 10°C-35°C(Within 1 Year)
Electricity(kWh)	2.56kWh	Operating Temperature Range	-15°C-60°C
Input		Recommended Temperature Range	10°C-40°C
Full Charge Voltage	28.8V-30V	Storage Humidity	≤75% RH
Maximum Charging Voltage	50V	Atmospheric Pressure	Below 5000 Above Sea Level
Input Voltage Range	30V-50V	Self-Discharge (25°)	<3%/Month
Continuously Use Input Current	100A	Depth Of Discharge	>80%
Maximum Solar Panel Input Current	100A	C-Rate Discharge	<0.8C
Rshoot Delay Protection	1000MS	Cycle Life	> 6000 Times (< 0.5c)
Output		Other	
Continuously Use Output Current	100A	Certification Standards	UN38.3/CE/MSDS/DGM
Discharge Cut-Off Voltage	20V-24V	Warranty	5 Years
Over-Discharge Delay Protection	1000MS	Product Size	462(±2)×250(±2)×318(±2)mm
Short Circuit Protection Delay	300US	Packing Size	528(±2)×315(±2)×385(±2)mm
Short Circuit Protection Recovery	Disconnect Load		
Instant Start Current	400A		
Instant Start Current Time	10S		