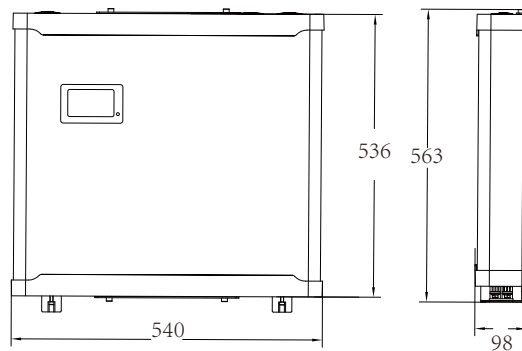


SOLAR LITHIUM BATTERY

BCT-UU 12-100



LiFePO₄ Battery **1280 Wh**



unit: mm

Technical Parameters

Basic Specifications

Nominal Capacity	100Ah
Nominal Voltage	12V(12.8V)
Electricity(kWh)	1.28kWh

Input

Full Charge Voltage	14.6V
Maximum Charging Voltage	15V
Input Voltage Range	14V-15V
Continuously Use Input Current	100A
Maximum Solar Panel Input Current	100A
Overcharge Delay Protection	1000ms

Output

Continuously Use Output Current	100A
Discharge Cut-off Voltage	20V-24V
Over-Discharge Delay Protection	1000ms
Short Circuit Protection Delay	330us
Short Circuit Protection Recovery	Disconnect load
Instant Start Current	400A
Instant Start Current Time	10S

Other

Package Size	631(±2)×628(±2)×185(±2)mm
Certification Standards	UN38.3/CE/MSDS/DGM
Warranty	5 years

Battery

Cell Type	LiFePO ₄ Battery/LFP
Storage Temperature Range	Short-Term -20°C-40°C(Within 1 month) Long-term 10°C-35°C(Within 1 year)
Operating Temperature Range	-15°C-60°C
Recommended Temperature Range	10°C-40°C
Storage Humidity	≤75% RH
Atmospheric Pressure	Below the elevation of 5000m
Self-Discharge (25°C)	<3%/Month
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	> 6000 times (< 0.5C)

