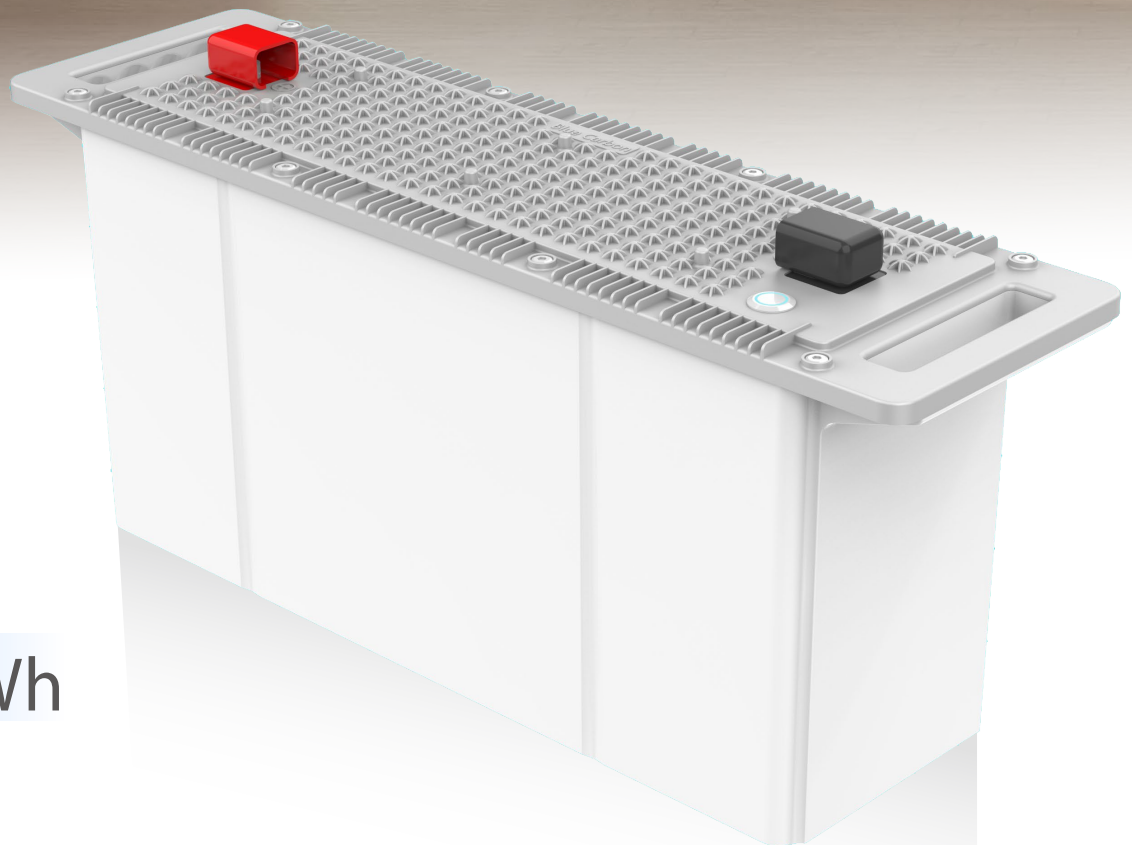


LITHIUM BATTERY

LiFePO₄ Battery Pack

Model: BCT-L-12-100




12V
1.28kWh



Household Appliances

Free electricity



Clean Energy

Using sunlight for clean energy charging, it can supply power to household appliances.



Storing Energy

Energy storage batteries realize electricity freedom for consumption in areas with no or insufficient electricity.



Application Scenario

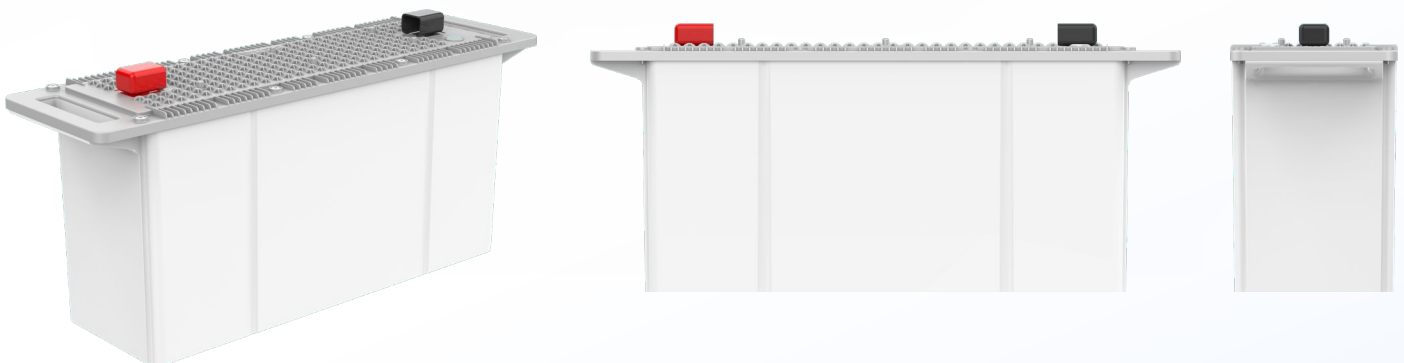
Non-main grid areas: For night lighting.

Areas with expensive urban grid electricity: Valley charge and peak discharge save 30%+.

Areas with frequent power outages: Serve as an uninterruptible power supply (UPS) to prevent data loss.

Applicable scenarios: Commercial, industrial, residential, outdoor lighting, camping and travel, farming, and night market stalls, etc.

► Product Display

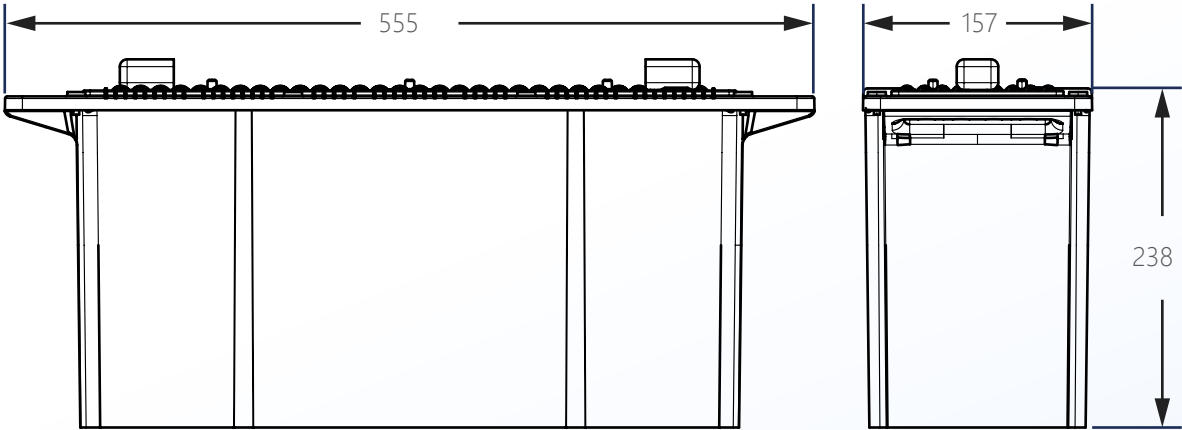


► Technical Parameters

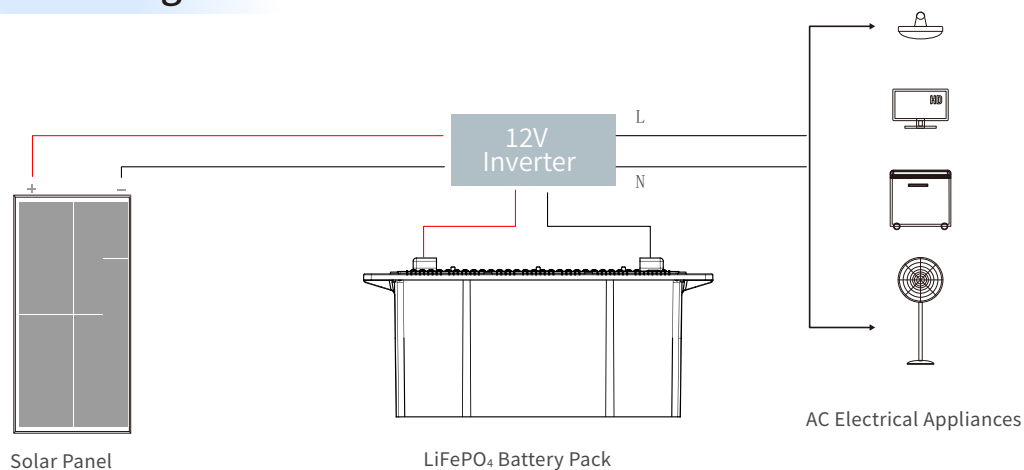
Model	Model: BCT-L-12-100		Battery	Cell Type	LiFePO ₄ Battery/LFP
Basic Specifications	Nominal Capacity	100Ah		Storage Temperature Range	Short-Term -20°C-40°C(Within 1 month)
	Nominal Voltage	12V(12.8V)			Long-term 10°C-35°C(Within 1 year)
	Electricity(kWh)	1.28kWh		Operating Temperature Range	-15°C-60°C
Input	Full charge Voltage	14.6V		Recommended Temperature range	10°C-40°C
	Maximum Charging Voltage	15V		Storage Humidity	≤75% RH
	Input Voltage Range	10.6V-14.6V		Atmospheric Pressure	Below the elevation of 5000m
	Continuously Use Input Current	20A		Self-Discharge (25°C)	<3%/Month
	Maximum Solar Panel Input Current	20A		Depth of Discharge	>80%
	Rshoot Delay Protection	1000ms		C-rate Discharge	<0.8C
Output	Continuously Use Output Current	40A	Other	Cycle Life	> 6000 times (<0.5c)
	Discharge Cut-off Voltage	9V		Certification Standards	UN38.3/CE/MSDS
	Over-Discharge Delay Protection	1000ms			
	Short Circuit Protection Delay	0.32ms		Product Size	555mm×157mm×238mm
	Short Circuit Protection Recovery	Disconnect load			

Product Size

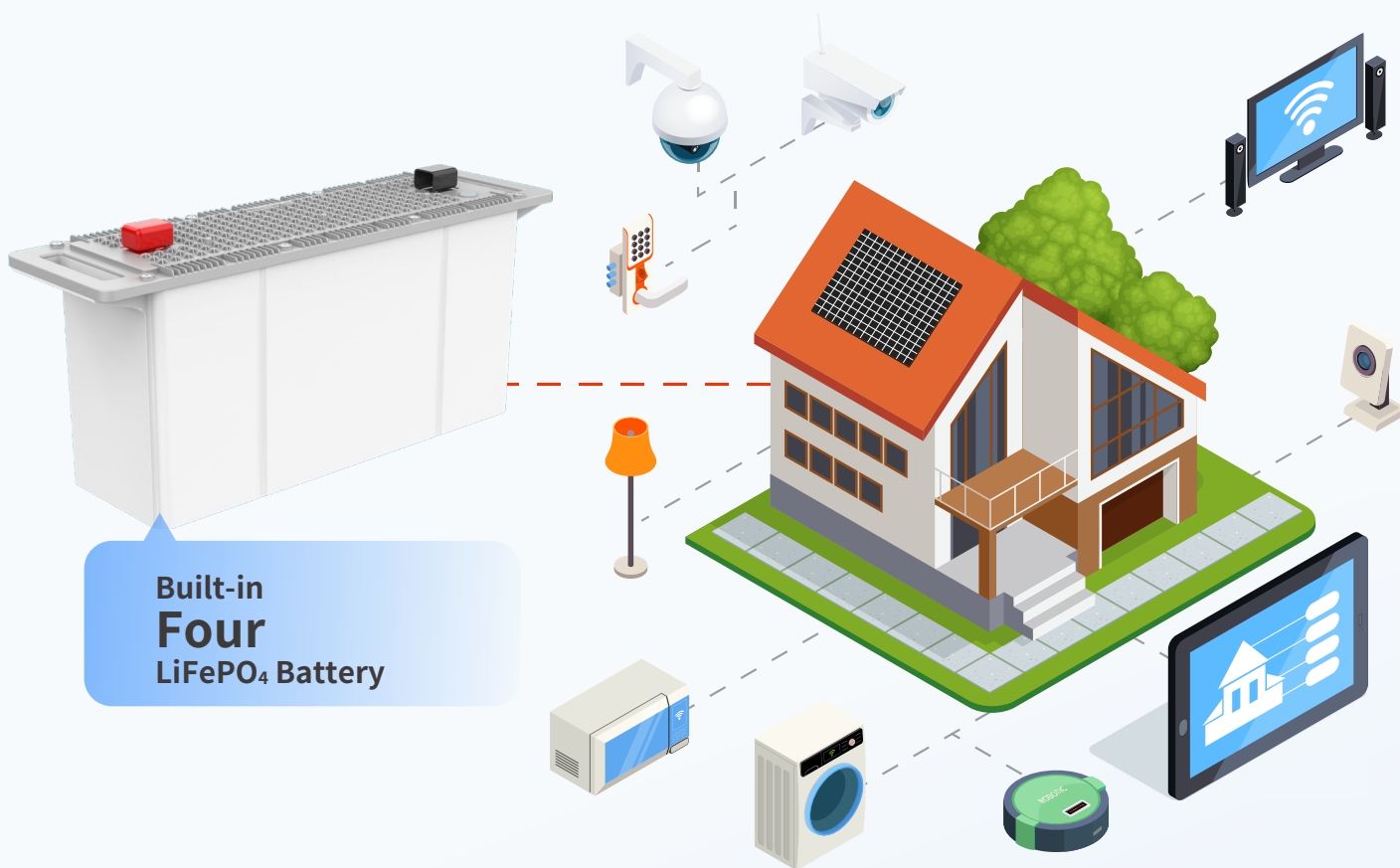
Unit: mm



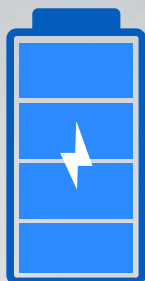
► Product Advantages 2



This energy storage system stores electricity generated by solar panels, serving as backup or emergency power. At night or during power outages, it can use the stored energy to power electrical appliances, ensuring continuous operation of critical loads and avoiding the inconvenience caused by blackouts.



VS

LiFePO₄ Battery

VRLA

Lifespan of lithium-ion batteries is generally three to four times than lead-acid batteries. Although the initial cost is higher, it is more economical in the long run. Also Lithium-ion batteries are more environmentally friendly.

► Product Advantages

