

This compact lithium battery is designed to power your home appliances via an inverter. It stores solar power during the day to provide continuous energy to connected equipment, ensuring functionality even during nighttime hours.



Items	Specification
Product Name	LiFePO4 Battery
Module Model	CT5120PRO
Battery Type	LFP 16S
Nominal Capacity	5.12KWh
Usable Capacity	4.86KWh (95% DOD)
Nominal Voltage	51.2V
Working Voltage	43.2 ~58.4Vdc
Charging Voltage	58.4V
Max. Charge Current	100A
Max. Discharge Current	100A
Communication Port	RS485, CAN, COM
Storage Temperature	-10℃~35℃ (Recommended)
Storage Humidity	≤85% (RH)
Working Temperature	Charging: 0℃ ~ 55℃
	Discharging: -20℃ ~ 60℃
Working Humidity	≤95% (RH) No Condensation
Working Altitude	≤2000m
Ingress Protection	IP21
Protective Class	1
Weight	46kg
Dimension	575*390*176mm
Shelf life	5 Years (25℃)
Cycle life	>6000 (25℃) , 60% EOL
Scalability	Module: Max. 16 in parallel (Capacity 81.92kWh)
Certification	CE, IEC62619, UN38.3 (upcoming)