

▸ Rack-mounted Residential ESS

▸ Features & Advantages



Safety

LFP Battery, Intelligent BMS and protective hardware providing complete protection



Accuracy

Dynamic SOC calibration



Compatibility

Suitable for most mainstream inverters



Expandability

Support parallel connection number up to 10



Durability

6,000 cycles at 90% DOD, 15+ years design life



Certificates

UL, CE, IEC62619, UN38.3, MSDS



▸ Technical Specifications

Model	PowerCool-LFP-5000
Battery Type	LFP
Total Energy	5.22kWh
Usable Energy	4.96kWh
Voltage	51.2V
Cell capacity	102Ah
Max. parallel connection number	10P
Max. charging voltage	57.6V
Nominal charging current	50A(single) /110A(multiple in parallel)
Nominal discharging current	80A(single) /110A(multiple in parallel)
Discharge cut-off voltage	48V
Battery efficiency	95%
Max. recommended DOD	95%
Communication	RS485/CAN
IP rating	IP20
Operating temperature	-10 ~ 50°C
Cooling Type	Natural cooling
Altitude	≤5,000m
Humidity	5% ~ 95%(No condensed water)
Battery Protection	Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature
Warranty	10 years
Dimension	560*390*131mm
Net weight	45kg
Case Material	Metal
Color	Black
Installation	Ground Installation

Testing conditions based on temperature 25°C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from PowerCool-LFP 0.2C CC-CV