

# Rack-mounted Residential ESS

PowerCool-LFP

## ▸ 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) /100A(multiple in parallel)
Nominal discharging current	80A(single) /100A(multiple in parallel)
Discharge cut-off voltage	44.8V
Battery efficiency	95%
Max. recommended DOD	95%
Communication	RS485/CAN
IP rating	IP20
Operating temperature	0 ~ 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	5 year Product Warranty, 10 Year Performance Warranty
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