

Wall-mounted Residential ESS



Safety

- LiFePO4 safe battery chemistry
- Smart built-in BMS and comprehensive hardware protection



Accuracy

- Dynamic SOC callibration



Compatibility

- Compatible with most mainstream inverters
- Compact furniture style, suitable for wall mounting that saves installation space



Expandability

- Support up to 6 PACKs in parallel connection



Durability

- 6,000 cycles at 95% DOD



Certificates

- CE, IEC62619, UN38.3, MSDS

Technical specification:

Model		PowerCool-LFP-WLV5000
Total Energy*		5.12kWh
Usable Energy(DC)*		4.86kWh
Voltage		44.8~57.6Vdc
Nominal Voltage		51.2Vdc
Rated Capacity		100Ah
Max. Charge Voltage		57.6Vdc
Nominal Discharging Current		80A(1P) / 160A(2P) / 160A(3P) / 160A(4P) / 160A(5P) / 160A(6P)
Nominal Charging Current		50A(1P) / 100A(2P) / 150A(3P) / 160A(4P) / 160A(5P) / 160A(6P)
Weight		47kg
Dimension(mm)(H*L*W)		640*420*161.5mm
Max.recommended DOD		95%
Operating Condition		Indoor
Operating Charge Temperature		0~55°C
Discharge Temperature		0~55°C
Standard Ambient Temperature Range		0~40 °C
Storage Temperature Range		> 1 month 0~35°C / ≤1 month -20~45°C
Humidity		5% ~ 95%(RH)(No Condensation)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Installation		Wall-mounted or floor-standing
IP Rating		IP 20
Protective Class		I
Max. Connection Number		6P
Communication		CAN/ RS485
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over-temperature
Certificates		CE,IEC62619,IEC61000-6-1,IEC61000-6-3,IEC62040,IEC63056,UN38.3,MSDS
Warranty		10 years (5 free warranty + 5 paid warranty)

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

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