

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