

Stack-mounted Residential ESS



- **Safety**

LFP Battery, Intelligent BMS and protective hardware providing complete protection

- **Accuracy**

Dynamic SOC calibration

- **Compatibility**

Suitable for most mainstream inverters

- **Easy Installation**

Modular design, stackable up to 21 packs

- **Durability**

6,000 cycles at 90% DOD

- **Certificates**

CE, IEC62619, UN38.3, MSDS

Technical specification:

Model	PowerCool-LFP-LV						
Battery type	LFP						
Number of connection	1pcs	2pcs	3pcs	4pcs	5pcs	6pcs	7pcs
Total energy	5.22kWh	10.44kWh	15.67kWh	20.89kWh	26.11kWh	31.33kWh	36.56kWh
Usable energy	4.96kWh	9.92kWh	14.88kWh	19.85kWh	24.81kWh	29.77kWh	34.73kWh
Max. parallel connection number	3P						
Voltage	51.2V						
Max. charging voltage	57.6V						
Nominal charging current	50A(single) /120A(multiple in parallel)						
Discharging cut-off voltage	44.8V						
Battery efficiency	95%						
Max. recommended DOD	95%						
Communication	RS485/CAN						
IP rating	IP55						
Operating temperature	-10 ~ 50°C						
Altitude	≤5,000m						
Humidity	5% ~ 95%						
Warranty	10years						
Dimension	720*420*458mm	720*420*608mm	720*420*758mm	720*420*908mm	720*420*1058mm	720*420*1208mm	720*420*1358mm
Net weight	63kg	113kg	163kg	213kg	263kg	313kg	363kg
Certificates	CE, IEC62619, UN38.3, MSDS						

Model	PowerCool-LFP-HV					
Battery type	LFP					
Number of connection	2pcs	3pcs	4pcs	5pcs	6pcs	7pcs
Total energy	10.44kWh	15.67kWh	20.89kWh	26.11kWh	31.33kWh	36.56kWh
Usable energy	9.92kWh	14.88kWh	19.85kWh	24.81kWh	29.77kWh	34.73kWh
Max.parallel strings	3P					
Voltage	102.4V	153.6V	204.8V	256V	307.2V	358.4V
Nominal charging voltage	115.2V	172.8V	230.4V	288V	345.6V	403.2V
Max. charging/discharging current	50A					
Discharge cut-off voltage	89.6V	134.4V	179.2V	224V	268.8V	313.6V
Battery efficiency	95%					
Maximum recommended DOD	95%					
Communication	RS485/CAN					
IP rating	IP55					
Operating temperature	-10 ~ 50°C					
Altitude	≤5,000m					
Humidity	5% ~ 95%					
Warranty	10years					
Dimension	720*420*608mm	720*420*758mm	720*420*908mm	720*420*1058mm	720*420*1208mm	720*420*1358mm
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