02 BATTERY ENERGY STORAGE PRODUCTS

Stack-mounted Residential ESS

Features & Advantages

Safety
LFP Battery, Intelligent BMS and protective hardware providing complete protection

Easy Installation
Scalable up to 56 packs

Accuracy
Dynamic SOC calibration

Durability
6,000 cycles at 95% DOD

Compatibility
Suitable for most mainstream inverters

Certificates
IEC62619, IEC63056, IEC62477-1, IEC60730, UN38.3, MSDS, IEC61000, IEC62040

Technical Specifications

Model	PowerCool-LFP-HV2					
Battery type	LFP					
Number of connection	2pcs	3pcs	4pcs	5pcs	6pcs	7pcs
Total energy	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh
Usable energy	9.72kWh	14.59kWh	19.45kWh	24.32kWh	29.18kWh	34.04kWh
Max.parallel strings	8P					
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 current	50A					
Nominal discharging current	50A					
Discharge cut-off voltage	89.6V	134.4V	179.2V	224V	268.8V	313.6V
Battery efficiency	95%					
Battery Protection	Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature					
Maximum recommended DOD	95%					
Communication	CAN,RS485					
IP rating	IP66					
Operating temperature	0 ~ 55℃					
Altitude	≤5,000m					
Humidity	5% ~ 95%					
Warranty	10 years (5 free warranty + 5 paid warranty)					
Dimension	(660±2) * (390±2) * (515±3) mm	(660±2) * (390±2) * (665±3) mm	(660±2) * (390±2) * (815±7) mm	(660±2) * (390±2) * (965±9) mm	(660±2) * (390±2) * (1115±9) mm	(660±2) * (390±2) * (1265±9) mm
Net weight	(117±2)kg	(152±4)kg	(197±6)kg	(242±8)kg	(287±8)kg	(332±8)kg
Certificates	CE-EMC,IEC62619,IEC62477,IEC62040,IEC62100,IEC60068-2-52,IEC60730,UN38.3,MSDS					
Installation	Stacked Installation					