



JLCI-HVC3

Commercial ESS Solution



Available Customization Options

Safety&Reliability

Convenience

Flexibility

Application Scenarios



Product Details



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●Safety & Reliability:

- Air conditioner in cabinet, fans & fire extinguishing device in battery module for multiple protection.
- Three-layer architecture built in BMU+RBMS+SBMS.
- LiFePO4 battery with higher safety & longer lifetime.

●Convenience:

- Standard 19 inch rack design for easy installation and maintenance.
- Touchable screen design for choosing different communication protocol.
- Supporting USB upgrade software.

●Flexibility:

- Standard modular design with 5.12kWh per battery modules.
- Flexible capacity & power scalability with up to 8 clusters in parallel.
- Flexible design from 4~14 battery modules in series.

Item	Specification	
Module Energy	5.12 kWh	
Module Nominal Voltage	51.2V	
Module Capacity	100Ah	100Ah
Battery Module Qty in Series	7	10
System Nominal Voltage (V)	358.4V	512V
Charge Voltage (V)	386.4V ~ 403.2V	552V-576V
Cut-Off Discharge Voltage (V)	313.6V	446V
Float Charge Voltage (V)	380.8V	544V
System Energy	35.84kWh	51.20kWh
Recommend Depth of Discharge	80%	80%
Storage Temperature	0-45°C	0-45°C
Communication Port	CAN/RS485	CAN/RS485
Status Indicator	RUN-Green Light/Alarm-Red Light	
IP Rating of Enclosure	IP20	
Dimension (W/D/H,mm)	600*920*2000	600*920*2000
Installation Location	Rack/Cabinet, Indoor	
Cycle Life	4000 cycles at 0.5C/0.5C, 25°C	
Warranty	5 years	
Certification	IEC62619, UN38.3, MSDS	