



JLCI-HVC7 (LFP-50kW-100kWh)

Commercial ESS Solution



Available Customization Options

High Capacity	Efficient Performance	Scalable Solution
Advanced Protection	Easy Installation	Smart Monitoring

Application Scenarios



Product Details



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Item	Specification
SYSTEM PARAMETERS	
Battery Module Type	51.2V
Battery Module Number	4
Battery Module Dimension	442*750*230mm
Battery system Voltage	204.8V
Battery Capacity	280Ah
Normal Energy	50kWh
Battery Max Charge Current	100A
Battery Max Discharge Current	100A
Charge Voltage	220.8V
Cut-off Voltage	179.2V
50kw Inverter Parameters	
Battery Parameters	
Max Battery Voltage	850V
Max Battery Voltage	160v
Normal Voltage Range	320v ~ 850V
Max Charge / Discharge Current	100A
PV Parameter	
Max power	19.2kW*2
Max PV Voltage	850V
PV Start Voltage	250V
MPPT Voltage	200V-830V
Max PV Current	(32A+32A)

On Grid	
Normal power	18kVA
Normal Current	26A
AC Voltage	400V/230V
AC Voltage Range	-20% ~ 15%
Frequency Range	(50Hz/47Hz-52Hz) (60Hz/57Hz-62Hz)
Power Factor	-0.8 ~ 0.8
Off Grid	
Normal power	18kVA
Max Out power	21KVA
Normal Current	26A
Max Output Current	30A
AC Voltage	400V/230V
Output Voltage Harmonics	<3%(resistive load)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overload	(28.6A<l load≤32.5A/100s 32.5A<l load≤39A/100ms)

System parameters	
Communication Port	EMS: RS485, Battery: CAN or RS485
DIDO	DI*2 DO*2
Efficiency	97%
Module Weight	35kg
Dimension	440*560*183mm
IP Rate	IP20
Work Temperature Range	-30°C ~ 60°C
Humidity	5-95% RH
Cooling	FAN
Inverter Certificate	CE, IEC62019, IEC62477, IEC6100, EN50549
Cabinet	
Cooling	Air conditioner
System Weight	≈1430kg
Dimension	Approx 1000*1450*2100mm
Inverter Installation	Built-in Cabinet

- **High Power & Capacity:** Available in 30kW-50kWh and 50kW-100kWh models to meet diverse energy needs.
- **Efficient Performance:** Reliable, high-efficiency LiFePO4 batteries with long lifespan.
- **Scalable Solution:** Modular design for easy capacity expansion.
- **Advanced Protection:** Integrated safety features, including fire protection & overcharge protection.
- **Easy Installation:** 19-inch rack design for quick setup and maintenance.
- **Smart Monitoring:** Real-time monitoring and management via remote access