

ALL-IN-ONE

CP100-Air Cooling

100kWh/100kW/Air Cooling/1C System



Highly Integrated Design

With battery, BMS, PCS, EMS, air conditioner, fire protection, pipeline and other components all in one, highly integrated design.



Flexible and Expandable

Support maximum 10 units for parallelizing, to meet various capacity demand.



Multiple Working Modes

Including peak-cutting and valley-filling, new energy accessing, EPS, on/off grid use and etc.



Seamless Switch

Seamless switch between On-grid & Off-grid use.



Safety Assured

Constant temperature in cabinet $25^{\circ}\text{C}\pm 3\%$ and with fire protection to double assure safety.



Smart Management System

Support LSHE Web for intelligent operation and maintenance, online remote and real-time monitoring.



Technical Parameter

Product Model	LSHE-CP100
Battery System Parameters	
Battery Cell	LFP 3.2V/120Ah
Battery Pack	1P24S/9.216kWh
Battery System	1P264S/101kWh
Voltage Range	739.2~950.4Vdc
Total Capacity	101kWh
AC Side Parameters (grid-connected)	
Rated Power	30kW/60kW (@50°C)
Maximum Output Power	33kW/60kW (@45°C)
Rated Voltage	400Vac (-15%~10%)
Rated Grid Frequency	50/60Hz±2.5Hz
Power Factor	0.8 (lagging) ~ 0.8 (leading)
THDi (%)	<3% (@rated power)
Power Supply	3P+N+PE (optional)
AC Side Parameters (off-grid)	
Rated Output Power	30kW/60kW
Rated Voltage	400Vac (-15%~10%)
Rated Output Frequency	50/60Hz
Overload Capacity	110% 10min (45°C), 120% 1min
System Efficiency	
Maximum Efficiency	>97%
Total System Efficiency	>87%
Charge/Discharge Rate	≤0.5C, Peak power (@1C, 30s)
General Parameters	
Dimensions (LxDxH)	1250x1200x2000mm
Weight	1.5t
Incoming Line	Bottom incoming line
Operating Temperature	-35~55°C
Environment Humidity	0~95%
Altitude	≤2000m
Protection Class	IP54
Cooling Method	Air cooling
Communication	
Communication	RS485/Ethernet
Communication Protocols	Modbus-RTU/TCP
Display	TFT LCD&Touch
Support	Web
Certificate	
Battery	IEC62619, IEC63056, IEC62477-1, IEC60730-1, EN61000-6-2/-4
Grid-Connected	VDE-AR-N4105, CEI0-21, EN50549-10

* For inquiring projects that LSHE made for evaluating, please contact us for details.