

INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

L1



Super
Flexible



High
Efficiency



Extreme
Safety



Intelligence
Operations and
Maintenance



BASIC PARAMETERS

INDUSTRIAL AND COMMERCIAL
ENERGY STORAGE CABINET

Product Model

L1

Battery Data

Battery Type	Lithium Iron Phosphate
Installed Energy	114kWh
Rated Voltage	DC 358.4~467.2V
Overvoltage Category	II
Maximum Current	DC 200A
Rated DC Power	57kW
Maximum DC Power	100kW

AC Side Parameters (On grid)

Rated Power	57kW
Maximum Power	100kW
Rated Grid Power Supply	AC 230/400V
AC Connection Method	3L/N/PE
Overvoltage Category	III
Maximum Current	AC 167A
Grid Voltage Range	-10%~+10%
Rated Grid Frequency	50/60Hz
Power Factor	-1~1

AC Side Parameters (Off grid)

Rated Output Voltage	AC 230/400V
AC Connection Method	3L/N/PE
Overvoltage Category	III
Maximum Current	AC 167A
Switching Time (on-Grid to Off-Grid)	< 20ms
Rated Grid Frequency	50/60Hz

PV Input Parameters

Maximum Input Power	2×50kW
Maximum Open Circuit Voltage	DC 800V
Operating Voltage Range	DC 400~650V
Start Voltage _{ev}	DC 400V
Maximum Current	DC 100A(Single Channel)
Short Circuit Current	DC 273A
Peak Power	> 99%

System Parameters

Energy Efficiency	≥88%
Operating Ambient Temperature	-20~50°C
Relative Humidity	≤95%RH ((Non- Condensing)
Noise	≤70dB
Cooling Method	Air Cooling
Fire Protection System	Aerosol
Protection Level	IP55
Altitude	≤2000m(Derating Above 2000m)
Weight	/
Communication Interface	Ethernet,USB,CAN,RS485
Communication Protocol	ModBus RTU、ModBus TCP
Dimensions (W×D×H)	1150*1050*2000