

PL-EL-60/209-C120

All-in-one BESS and Charger



120kW

Fast charging technology supports high-power DC charging (120kW), compatible with mainstream electric vehicles, reducing charging time.



Flexible energy allocation: Equipped with a high-capacity battery system, supports peak shaving and valley filling.

Dynamic power expansion: allocates power based on the current grid load or solar power generation. adjusts the charging power to prevent overloading the grid and enhances overall energy efficiency.



Battery safety: Uses high-stability cells + BMS (Active balancing) intelligent management system to monitor the battery's health status in real-time, preventing the risk of thermal runaway.



Smart O&M: Supports cloud platform management, enabling real-time monitoring of equipment status, electricity consumption, and fault warnings. It can be remotely controlled through a mobile APP or PC.

Application Scenarios

- Office Park/Community
- Solar + Storage +Charging Station
- Plaza/Hospital/Hotel

Parameters/Model

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Battery System

AC rated power	60kW
Charging voltage	380V/400V (AC 50Hz)
Grid type	3L+PE
Rated capacity	208.99kWh
Charging/Discharging rate	≤0.5P
Cycle life	>8000 cycles@0.5C, 25°C
Battery DC operating range	530.4~759.2V
Cell	3.2V/314Ah
Cell Module	166.4V/52.25kWh
Rated cluster voltage	665.6V
Ambient temp. range	-20~50 °C
Certificate	IEC62619/GB/T 36276
Communication	Ethernet, CAN, RS485

EV Charger system

Output

Number of output	2 DC guns
Charging plug	CCS2
Voltage range	150VDC-1000VDC
Max. output power	120kW DC

Environment

operating temp.	-20°C~+50°C
Storage temp.	-20°C~+60°C
SPD	Level C
IP&IK ranking	IP54/IK10
Altitude	<2000m
Humidity	5%-95% RH no condensing

info

HMI	7inch tough screen
Payment sys.	IC card
Charging cable	5m/ Gun
power meter	cl. 1.0
Communication	Ethernet. 4G. WiFi
Protocol	MQTT
Certificate	EN 61851-23 EN 61851-24 EN IEC 61851-1

Others

Dimensions (H*W*D)	2350*1300*1430mm
Weight	2.5 ton