

BESS120 DC Charging Station

40kW input & 120kW output +107kWh battery

Product Release Soon

The BESS120 is a dual-connector DC charger with energy storage function. Peak charging power up to 120kW and only 40kW input with a 107kWh battery capacity. The BESS120 can be easily connected to existing grid connection via Plug & Play, without costly construction and complex grid connection. Just set up the station wherever or whenever it is needed and charge your electric vehicles without grid upgrade.



- CHAdeMO
- GB/T
- CCS1
- CCS2

Deployment pain points of traditional fast EV chargers



High Costs

- Electrical upgrades are extremely expensive
- Increase charging costs by more than 100% during peak hours



Engineering complexity

- The civil works and grid connection are complex
- Construction permits take a long time



Various limitations

- No power points nearby
- Difficult to remove and relocate

Our Benefits



High Output & Low Input

- 2 chargers up to 120kW DC maximum output and only 40kW AC input



Flexible Charging

- Easy to install and remove by Plug & Play, operates even in the event of a power failure



High Economic

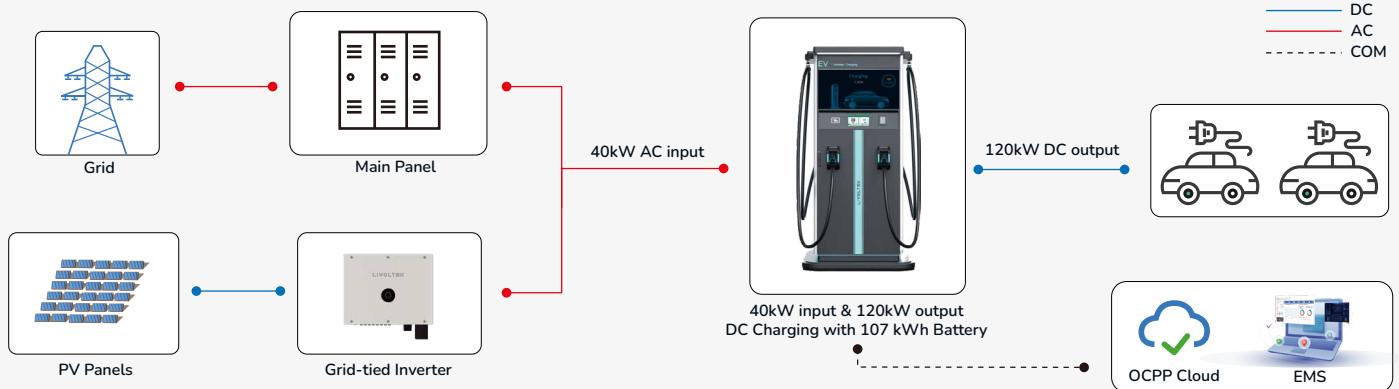
- Lower installation and power expansion costs and higher charging revenues from peak and valley tariffs



Safety and Intelligent

- Intelligent EMS strategies and other comprehensive electrical and mechanical protection features ensure your charging safety.

System



Specifications

Energy Storage	
Battery Capacity	107 kWh
Energy Chemistry	LFP
Max. recharge Power	40 kW
Battery Efficiency	≥94.5% in normal situations
Output/charge point	
Supported Connector Types	CCS1 / CCS2 / CHAdeMO / GB/T
Connectors	2
Charging Power (DC)	DC Max. 120 kW intelligent distribution
Voltage	200 - 1000 Vdc
Output Efficiency	≥95% (20~100% Load)
Cable	250A, 5/7m(optional)
Input/power connection	
Voltage	3Phase 400VAC ± 15%
Power (AC)	≤40 kW
Frequency	50 / 60 Hz ± 1%
Max Current	63 A
Environmental Specification	
Installation Location	Outdoor
Protection Rating	IP 54
Operating Temperature	-20℃ -50℃ (over 45℃ derating)
Noise Emission	≤ 75 dB
User Interface & Connectivity	
Connectivity	4G / Ethernet
Communications	OCPP 1.6J, support update to OCPP 2.0.1
User Interface	10.1" Touch screen ; Charging LED Indicators ; Customizable Advertising Screens(>20")
Credit Card Reader	Standard
Payment/authorisation	RFID (ISO 14443 A/B), APP, Contactless NFC Customized
Other Features	
Dimensions(h*w*d)	2,130 x 900 x 1,200 mm
Weight	1,450 kg
Cooling	Force Fan Cooling
Standard Warranty	3 years, extend + 1 year / + 2 years
Firmware Upgrade	Local (USB) / OTA
Standard	CE & IEC & UN38.3 expected complete 2024
Protection	
Multiple Protection	Overvoltage Protection, Undervoltage Protection, Overcurrent Protection, Over Temperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, Insulation Detection and Other Multiple Protection Functions.