

# BESS EV Charging Station 120KW



## Rapid Deployment

The system integrates an energy storage unit and support s off-grid standalone operation. Its all-in-one, compact mobile design enables rapid deployment and improves overall operational efficiency.

## Intelligent Control

Powered by advanced control and management systems, the ESS enables optimized energy flow, stable power conversion, and intelligent system coordination.

## Integrated EV Charging

ZECONEX Mobile ESS integrates an EV charger with a 208 kWh lithium-iron-phosphate (LFP) battery and 185 kWh usable energy (SAT) in a single enclosure, along with DC charging modules, fire protection, and air conditioning.

## Comprehensive Protection

With an IP55 protection rating, it is well-suited for reliable outdoor use in demanding environments.

## SPECIFICATION

Model		ZECO-208120-DE3
Basic Parameter		
Charging System	Connectors	2
	Power Distribution	2 connectors intelligent distribution
	Charging Power	120kW
	Cable	250A, 5m, CCS1/CCS2
	Charging Voltage	300V~1000V
	Efficiency	≥96.5%
Meter	AC Side	AC meter
	DC Side	2-access DC meter
Energy-Storage-System	Battery Capacity	208 Kwh /LFP
	Usable Energy (SAT)	185 KWh
	Max. recharge Power	400Vac(3p+N+PE) or 480Vac(3p+N+PE) 40kW 208Vac(3p+N+PE)18kW
	Battery Charging Rate	≤0.5C
	Battery Discharge Rate	≤1C
	Battery Efficiency	≥94.5% under nominal situation
	IP Ranking	IP55
Product Specification	Type	DC charging station with Battery
	Installation	On ground
	Materia	Industrial Grade Alloy
	Color	White weather-resistant coating
	Package Dimension	2050mm*1800mm*900mm
	Net Weight	2500kg
Cooling System	Battery Cooling	Liquid-cooled
	Power Modules	Air-cooled
	Cable Cooling	Air-cooled
User Interface Display Size		10 Inch
Payment System		RFID, credit card
Connectivity		GSM & LTE & LAN
Communication		OCPP 1.6J
Photovoltaics Input		260-825VDC, Max 40kW(Optional)
Environment Parameter		
Applicable Site		Outdoors
Ambient Temperature		-30°C to +55°C
Humidity		≤95%, No condensation
Noise		≤70dB
Altitude		≤2000m
EMC Emission		Type A
Medium		No explosive hazardous, No toxic & harmful gases.
Interference		Without strong vibration and shock, no strong electromagnetic interference
Safety		
Input Protection		Under voltage protection, over voltage protection, over current protection, over temperature protection, leakage protection,lightning protection, short circuit protection
Output Protection		Short circuit protection, over-temperature protection, communication fault protection, leakage protection, over-current protection
Emergency Protection		Set emergency stop button, leakage protection function, high-precision output insulation monitoring function
Special Protection		IP54 protection level, anti-salt dew, moisture-proof, anti-toxic and anti-ultraviolet
Standard		
Battery		UL1973,IEC 62619, IEC61000
System Level		UL2202,UL2231,IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118