

BESS EV Charging Station 120KW



Rapid Deployment

The system integrates an energy storage unit and supports 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-DG3	
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
Product Specification	IP Ranking	IP55
	Type	DC charging station with Battary
	Installation	On ground
	Materia	Industrial Grade Alloy
	Color	White weather-resistant coating
	Package Dimension	2050mm*1800mm*900mm
Cooling System	Net Weight	2500kg
	Battery Cooling	Liquid-cooled
	Power Modules	Air-cooled
User Interface	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		
Safety	Applicable Site	Outdoors
	Ambient Temperature	-30°C to +55°C
	Humidity	≤95%, No condensation
	Noise	≤70dB
	Altitude	≤2000m
	EMC Emission	Type A
Interference	Medium	No explosive hazardous, No toxic & harmful gases.
	Interference	Without strong vibration and shock, no strong electromagnetic interference
	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	Ip55 protection level, anti-salt dew, moisture-proof, anti-toxic and anti-ultraviolet
Standard		
Battery	Battery	UL1973, IEC 62619, IEC61000
	System Level	UL2202, UL2231, IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118