

BESS EV Charging Station

400KW-800KW



ZECONEX Mobile Battery Energy Storage System (BESS) with an electric vehicle charger, including lithium iron phosphate battery, DC charger, fire protection system, air conditioning, etc. It is an integrated energy storage system with BMS/ACDC/DCDC/EMS functions. And it supports recharging BESS with AC/diesel generators or DC chargers.

Model	ZECO-1060400	ZECO-2138800
Input & Output		
Input Voltage	3Phase 400VAC ± 15%/50Hz	3Phase 400VAC ± 15%/50Hz
Input Current	608A max	1206A max
Output Voltage Range	150VDC-1000VDC	
Constant-Power Voltage Output Range	300VDC-1000VDC	
Nominal Power Output	400kW	800kW(400kW*2)
Current Output	350A CCS2 continuously	375A CCS2 continuously
Output AC 1	7kw/32A/230VAC± 15%/50Hz/CEE plug	
Output AC 2	44kw/64A/400VAC± 15%/50Hz/CEE plug	
Output AC 2	87kw/125A/400VAC± 15%/50Hz/CEE plug	

SPECIFICATION

Model	ZECO-1060400-DE2	ZECO-2138800-DE1		
Basic Parameter				
Charging System	Connectors	2	4	
	Power Distribution	2 connectors intelligent distribution		
	Charging Power	400kW	800kW(400kW*2)	
	Cable	375A, 7m, CCS2		
	Charging Voltage	300V~1000V		
	Efficiency	≥96.5%		
Meter	AC Side	AC meter		
	DC Side	2-access DC meter		
Energy-Storage-System	Battery Capacity	1069 Kwh /LFP	2138 Kwh /LFP	
	Usable Energy (SAT)	980 KWh	2050 KWh	
	Max. recharge Power	400kW	800kW	
	Battery Charging Rate	≤0.5C		
	Battery Discharge Rate	≤1C		
	Battery Efficiency	≥94.5% under normal situation		
IP Ranking	IP54	IP54		
	IP54	IP54		
Product Specification	Type	DC charging station with Battery		
	Installation	On ground		
	Material	Industrial Grade Alloy		
	Color	White weather-resistant coating		
	Package Dimension	2438mm*2896mm*6058mm	2438mm*2896mm*12192mm	
	Net Weight	17500kg	37500kg	
Cooling System	Battery Cooling	Liquid-cooled		
	Power Modules	Air-cooled		
	Cable Cooling	Air-cooled		
User Interface Display Size	7 Inch	7 Inch		
Payment System	RFID, credit card			
Connectivity	4G & LTE & LAN	4G & LTE & LAN		
Communication	OCPP 1.6J			
Photovoltaics Input	260-825VDC, Max 40kW(Optional)	260-825VDC, Max 40kW(Optional)		
Environment Parameter				
Applicable Site	Outdoors			
Ambient Temperature	-25°C to +50°C(over45°C derating)	-25°C to +50°C(over45°C derating)		
Humidity	≤95%, No condensation			
Noise	≤70dB	≤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	IEC 62619, IEC61000	IEC 62619, IEC61000		
System Level	IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118	IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118		