ZOE
ENERGY STORAGE

THE SOLUTION FOR CHARGE & STORAGE

As the global demand for cleaner and more sustainable energy solutions grows, the adoption of electric vehicles (EVs) is accelerating. This growth has not only driven the expansion of the electric vehicle industry but also posed new challenges for charging infrastructure and energy storage systems.

Grid overload during peak demand

Renewable energy integration challenges

Insufficient charging infrastructure

Limited fast-charging facilities

All-in-one

Energy Storage & Charging System

The All-in-one system integrates energy storage and charging terminals in a compact design, reducing space and simplifying installation. With 218kWh storage, it enhances charging station capacity, effectively handling peak demand. This solution is ideal for areas with limited space, It enables easy system expansion and offers low upfront costs, increasing overall revenue and shortening the payback period.

Feature

- Charging power: 1*180 kW or 2*90 kW simultaneously
- Up to 218 kWh battery capacity
- Min. grid power: 30kVA
  Max. installation area: 2000mm*1300mm (assemblable)

Application

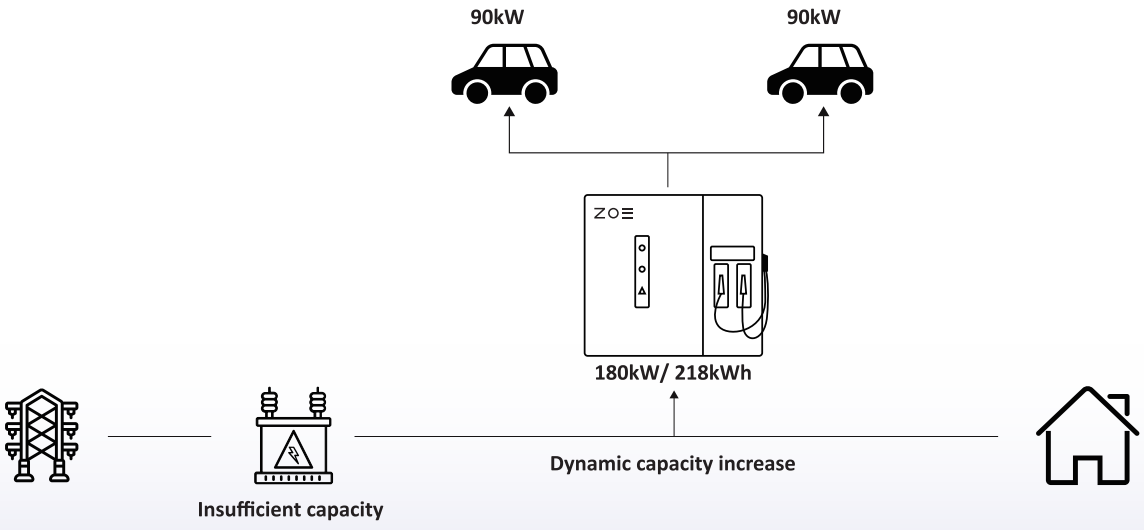
Shopping Malls

Office Buildings

Residential Parking Lots

Renewable energy integrated charging Station

Solution



Product Specification Sheet

Basic Parameter	
Model	218kWh/180kW
Payment system	RFID,mobile,credit card
Communication	OCPP1.6J/2.0

Energy-Storage-System Parameter	
Battery capacity	218kWh (LFP)
Rated voltage	DC768V
Operating voltage range	DC672V~864V
Battery charge and discharge rate	1C
Battery cooling and heating	Liquid-cooled, Liquid-heated
Fire suppression system	Aerosol

EV Charger Parameter	
Connectors	2
Max.recharge power	DC Max.180kW
Cable	300A, 5m, CCS2
Charging voltage	300-1000V
Cable cooling	Air-cooled

Grid Charging Parameter	
Grid voltage range	3W/N+PE 400Vac (-20%~+15%)
Grid charging power	105kW
Grid maximum charging power	110kW
Rated grid frequency	50/60Hz
Total harmonic distortion rate of current	≤3% (full load)
Power factor	-0.99 ~ +0.99

Environment Parameter	
Operating temperature (°C)	-20 ~ +50
Ambient temperature (°C)	-30 ~ +60
Humidity	≤95%
Altitude	≤2000m
Protection degree	IP54

www.zoeess.com

About ZOE Energy Storage

Headquartered in Shanghai, ZOE integrates R&D, manufacturing, and operations in energy storage, with factories producing 4 GWh annually. ZOE's focus on advancing storage technology ensures sustainable and scalable energy solutions.

infozoe@zoeess.com

ZOE ENERGY STORAGE TECHNOLOGY CO., LTD.