



# EnerGeo Integrated Outdoor Battery Energy Storage Cabinet

## Product Features

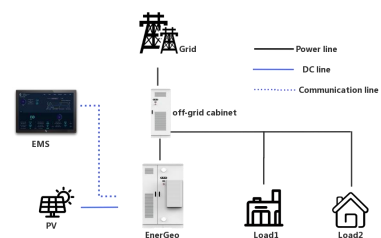
- Solar+storage+DC EV charging piles.
- 1C rate charge/discharge.
- Compact modular design.
- Combustible gas detection.
- Separate air duct design.
- PACK double bolt insulating installation.
- IP55 grade,suitable for outdoor.



- 4 Layers Safety Design**  
Much safer  
More reliable.
- Multi Energy Accessing**  
Solar, diesel generator,  
wind turbine, etc.
- 1C Charge/Discharge**  
Efficient charging and  
discharging.
- Single Management**  
Ultimate security and  
ultra-simple O&M.

## Multi-Function

**EnerGeo** is integrated with batteries,PCS,BMS,fire fighting system,temperature control system,monitoring system,EnerGeo aims to provide reliable energy supply for all fixed loads in the C&I industries, flexibly configuring various applications through the interfaces of control units, and exchanging operating data of battery systems with other devices. The modular design allows for various combinations of systems to adapt to different voltage and capacity requirements. Multiple battery cabinets can be connected in parallel to each other to provide a large-scale energy storage solution.The front-end of the system can be connected to solar system, and the back-end of the system can be connected to DC charging piles and forming an integrated solar + storage + charging project.



- Factory/Office Park/Hotel/Restaurant**  
Arbitraging from the TOU tariff, peak-load shifting
- EV Charging Station**  
Solar+storage+charging station to improve the solar utilization
- Microgrid**  
Multi-energy integration with solar, diesel generator, wind turbine, etc.
- Distribution Network Operator (DNO)**  
Grid auxiliary service, VPP



# EnerGeo

## Integrated Outdoor Battery Energy Storage Cabinet

### Product Parameters

Model	EnerGeo-30P	EnerGeo-60P
<b>Battery Parameters</b>		
Battery cell model	LiFePO <sub>4</sub> - 100Ah	
Battery capacity range	46.08kWh ~ 69.12kWh	
<b>AC on-grid Side Parameters</b>		
Grid connection type	3P4W+PE	
Rated power	30kVA	60kVA
Rated grid voltage	AC400V	
Frequency range	50/60(±2.5)Hz	
<b>AC off-grid Side Parameters</b>		
Grid connection type	3P4W+PE,400(±20%)V	
Rated output power	30kW	60kW
Maximum apparent power	33kVA	66kVA
Frequency range	50/60(±2.5)Hz	
Overload capacity	110%-120%,10mins;120%-150%,200ms	
Maximum Nos. of parallel connections (off-grid)	1	
<b>General Parameters</b>		
Dimensions (W*H*D)	1350*2100*1050mm	
Maximum weight	About 1500kg	
Degree of protection	Suitable for outdoor	
Cooling method type	Battery Cabinet (air conditioner) & Electrical Cabinet (forced air cooling)	
Operating temperature*	-20°C ~ 50°C	
Altitude**	< 2000m	
Fire fighting system	FM200 automatic fire extinguishing(Novec1230/Aerosol is optional)	
Noise emission	≤75dB	
Communication interface	RS485,Ethernet	
Communication protocol	Modbus RTU, Modbus TCP/IP	
<b>PV Side Parameters(Optional)</b>		
Maximum PV input power	30kW/60kW	30kW/60kW/90kW/120kW
PV voltage range	200V~(Bus voltage-50V)	200V~(Bus voltage-50V)
Number of PV inputs	1/1	1/1/2
Maximum input current	100A/200A	100A/200A/400A

\* The system will be derated when the ambient temperature exceeds 45°C.

\*\* The system will be derated when the altitude is between 2000 and 3000m.

### Certifications

**Cell:** IEC 62619, UL1973, UL9540A;

**Pack:** UN38.3;

**PCS:**G99,EN50549,AS4777.2,VDE4105.

**Note:** Product specifications are subject to change without any prior notice as per regular modifications made by company.