

Electric Vehicle Charging Stations and BESS

BESS facilitates the integration of renewable energy into the grid by storing surplus energy generated from renewable sources during times of peak production. This stored energy can then be used when production is low, reducing reliance on non-renewable energy sources and enhancing the efficiency of renewable energy systems.



Key Advantages

Scalability: Containerised BESS can be easily scaled up or down to match the charging demand of EV stations. Additional containers can be added to increase energy storage capacity during peak usage times, ensuring a consistent and reliable charging experience for EV owners.

Grid Support: BESS provide grid support by reducing the strain on the electrical grid during periods of high demand. By storing excess energy during off-peak hours and releasing it during peak demand, BESS helps to balance the load on the grid and avoid costly upgrades to infrastructure.

Fast Charging: Containerised BESS enable fast charging capabilities for EVs by providing a high-power output when needed. This ensures that EV drivers can quickly recharge their vehicles, enhancing convenience and encouraging the adoption of electric transportation.

Backup Power: BESS serve as a backup power source for EV charging stations in the event of grid outages or emergencies. This ensures that charging operations can continue uninterrupted, providing peace of mind to EV owners and station operators.

Remote Deployment: Containerised BESS can be deployed in remote or off-grid locations where access to the electrical grid is limited or unavailable. This allows for the establishment of EV charging stations in previously inaccessible areas, expanding the reach of electric transportation infrastructure.

Key Features Of BESS

Advanced Battery and Inverter Technology:
Over 450,000 units sold worldwide,

Integrated Fire Suppression System to protect your investment.

Climate Control: Air conditioning ensures optimal operating conditions

Enhanced system and control alert monitoring via our EU-based cloud servers

Option to implement a battery management software system, to maximise your renewable energy.