



Automatic outdoor cabinet type for highway photovoltaic systems IP55



Voltage range:691.2-947.2V

>6000 cycles(100%DOD)

Rated battery capacity:
216KWH (customizable)

EMS communication:
4G/CAN/RS485





Overview

Designed for outdoor deployment, the cabinet features weather-resistant construction, efficient ventilation or air conditioning, and options for battery and DC distribution integration. With robust protection (IP55/IP65), it ensures reliable operation in remote, off-grid. AZE's lithium battery energy storage system (BESS) is a complete system design with features like high energy density, battery management, multi-level safety protection, an outdoor cabinet with a modular design. Stationary power storage systems have experienced strong growth in recent years. In. The PV Inverter Cabinet for Off-Grid Systems is engineered to securely house inverters, solar charge controllers, and associated electrical components in a single integrated enclosure. Flexible Expansion: Designed to support off-grid switching and photovoltaic energy charging, making it ideal for. The IP55 Rating classification defines outdoor enclosures engineered for superior protection against dust and low-pressure water jets from any direction. This rating ensures that equipment inside remains fully operational under moderate to heavy rain, wind-driven dust, and humid outdoor.



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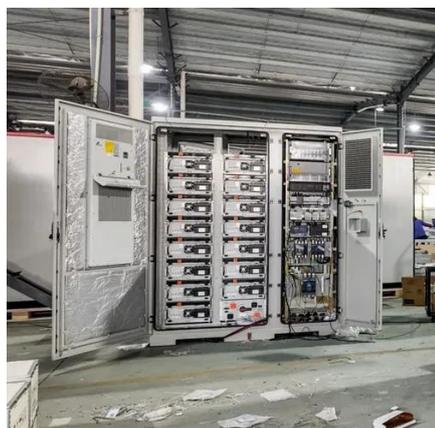


[19" cabinet for outdoor / industrial areas with IP55 ...](#)

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[Outdoor Cabinet Energy Storage System \(ESS\) for PV Storage](#)

It integrates advanced energy storage management, photovoltaic charging, and real-time monitoring capabilities in one unit. The system's flexibility ensures that it can be customized to meet various ...



Outdoor Photovoltaic Energy Cabinet

Engineered with reinforced steel enclosure and IP55/IP65 protection class for dust, water, and corrosion resistance in severe climates. Combines high-voltage lithium battery packs, BMS, fire protection, ...

15kW / 35kWh Hybrid Solar System Integrated Energy Storage Cabinet

Equipped with a robust 15kW hybrid inverter and 35kWh rack-mounted lithium-ion batteries, the system is seamlessly housed in an IP55-rated cabinet for enhanced protection against water and dust, ...



IP55/IP65 Outdoor PV Inverter Cabinet with Integrated Distribution

Designed for outdoor deployment, the cabinet features weather-resistant construction, efficient ventilation or air conditioning, and options for battery and DC distribution integration. With robust ...

[IP55 ESS Outdoor Cabinet Energy Storage System, AZE](#)

Based on a lithium iron phosphate battery system, the ESS outdoor cabinet serves as a comprehensive complete solution for stationary energy storage.



Solar Battery Cabinet Equipment Enclosures for on-grid or off-grid ...

AZE's all-in-one IP55 outdoor battery cabinet system with DC48V/1500W air conditioner is a compact and flexible ESS based on the characteristics of small C&I loads.

IP55,IP65,IP66 Outdoor Cabinet with



Air conditioner for Solar, Battery

These cabinets are UV-resistant aging, corrosion-resistant, acid and alkali resistant, wind-resistant, waterproof, and shock-resistant, with a more robust and durable structure.



[27U Outdoor Equipment Cabinet Used at Highway Toll Stations](#)

These 27U outdoor equipment cabinets deployed overseas are designed with a high IP55 protection rating as the core standard, fully adapting to the complex outdoor environment of overseas highway ...





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