Hofstetter
BAU • FORST • AGRO EQUIPMENT

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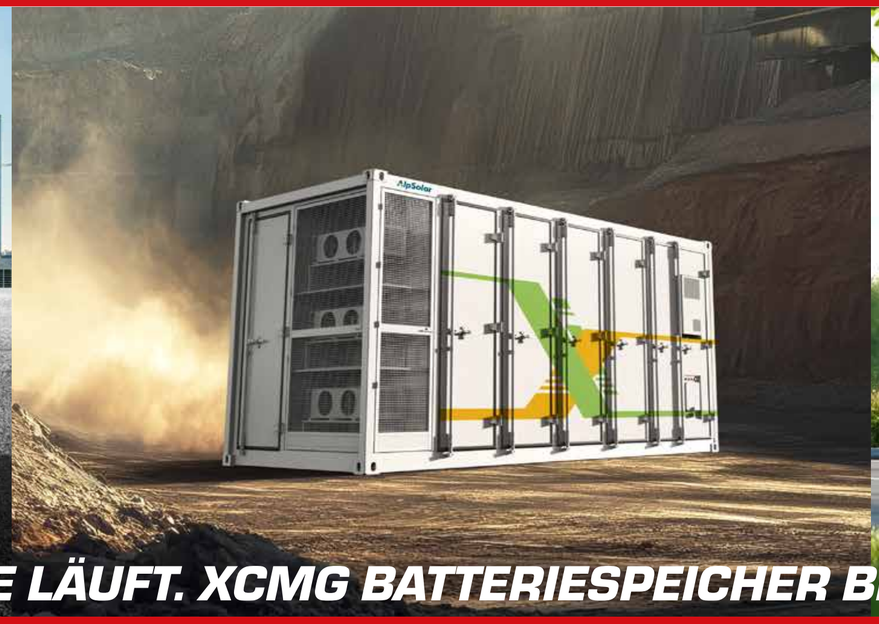

DU BRAUCHST EINE LÖSUNG, DIE LÄUFT. XCMG BATTERIESPEICHER BEI HOFSTETTER BAUMASCHINEN.

XME-E

XME-E Series Product Introduction

01 Application Scenarios

Ideal for off-grid or weak-grid areas such as construction sites, mines, islands, fishing villages, grasslands, and deserts lacking reliable grid power. The diesel storage system serves as an independent power supply. When under load, the energy storage system works together with the diesel generator to significantly reduce diesel consumption and improve power supply stability.

02 Abundant Interfaces

The system comes standard with a 400A single-core PowerLock quick-connect interface for high-power input/output, and a 125A five-core quick-connect input interface. These enable rapid power replenishment, enhanced operational efficiency, and support quick deployment and flexible maintenance. It also offers a variety of AC output interfaces: AC380V 63A/32A/16A sockets for powering small engineering machinery at mining and construction sites. Customizable socket configurations are also available upon request.

03 Proven System Reliability

The system offers dual power assurance, combining energy storage with a diesel generator. With a total battery capacity of 466/699 kWh, it readily adapts to diverse and complex energy requirements.

04 Flexible Transportation

Designed to fit a standard 10-foot shipping container for easy transportation. After use at one site, it can be easily transported to the next location for deployment.

05 Multiple Power Control Modes

The system supports VF, PQ, and VSG modes to meet the power support requirements of complex field operations.

06 Liquid Cooling

The system employs liquid-cooled battery packs. Liquid cooling offers superior temperature uniformity and heat dissipation efficiency compared to air cooling, enabling high-rate operation and extending lifespan. The IP67 rating ensures performance in harsh environments, including high temperatures, humidity, and dust.

XME-T

XME-T Series Product Introduction

01 Application Scenarios

Open-pit mining operations, large construction sites, emergency rescue projects, and other areas with no grid power or weak grid coverage. These locations are characterized by their distance from fixed power sources. In these scenarios, a high-capacity mobile charging vehicle is needed to provide stable power to electric construction vehicles, ensuring continuous and stable operation and providing convenient, efficient, and reliable power support for construction work.

02 Ultra-High Energy Density

Two models with ultra-high capacities (2090 kWh and 3135 kWh) are available, supporting the long-term operational needs (approximately 8-10 hours) of medium and large electric construction vehicles. A single charge is sufficient for a full day's work, significantly improving efficiency and reducing operating costs.

03 Flexible and Fast Charging

The mobile energy storage vehicle supports simultaneous DC fast charging with 2-4 charging guns, with charging times of only 2-3 hours. It also supports AC charging from the mains power supply, offering flexible charging options.

04 Convenient Transportation and Plug-and-Play Operation

The standard containerized design enables flexible transportation. The quick-connect design for charging and discharging simplifies the connection process.

05 Safety Features

- **Multiple Battery Protections:**
Multiple safety mechanisms are in place, including overcharge, over-discharge, overcurrent, and short-circuit protection.
- **Fire and Explosion Prevention Design:**
The battery compartment is equipped with a combustible gas detector, as well as thermal and smoke sensors. Should gas concentration exceed a preset threshold, the system automatically activates the ventilation system to expel it. In the event of high gas concentration accompanied by thermal or smoke alarms, the fire suppression system is triggered. The entire compartment is also fitted with water-based firefighting interfaces.
- **Stable Electrical Insulation:**
The entire vehicle's electrical system has excellent insulation performance, effectively preventing electrical leakage. All electrical components undergo rigorous insulation treatment, with insulation resistance far exceeding industry standards, ensuring the electrical safety of operators and construction vehicles even in humid and harsh construction environments.

XME-C

XME-C Series Product Introduction

01 Application Scenarios

Areas without grid power or with weak power grids, such as mines, mountainous regions, and construction sites. These areas are characterized by the impracticality or high cost of installing charging piles. Therefore, mobile charging vehicles are a more suitable solution for providing DC fast charging to electric construction vehicles/machinery in the work area.

02 Strong Economic Advantages

This solution saves on grid construction costs in the work area. The mobile charging vehicle directly provides fast charging to construction vehicles on-site (e.g., in mines), significantly reducing infrastructure investment.

03 Strong Adaptability

Mobile charging vehicles are available in two battery capacity options: 1306 kWh and 2090 kWh. These options cater to the fast-charging needs of small and medium-sized electric construction vehicles/machinery and medium and large-sized electric construction vehicles/machinery, respectively.

04 Flexible Transportation

The containerized design allows for flexible and rapid transportation. After use at one site, it can be easily transported to the next location for deployment.

05 Safety Features

- The product is equipped with a 320kW dual-gun integrated charging pile, meeting the DC fast-charging needs (less than 2 hours) of most domestic construction vehicles/machinery.
- The product itself supports both AC charging and DC fast charging, offering flexible charging options.
For DC fast charging, up to six simultaneous charging guns can be customized.

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XME-E Series Product Specifications

Model	XME-250EL	XME-500EL
Basic parameters		
System Capacity	250kW/466kWh	500kW/699kWh
System Wiring	3W+N+PE	3W+N+PE
Grid-Connected Operation Mode		
Rated Output Power (kVA)	250	500
Grid Voltage (Vac)	400 (±15%)	400 (±15%)
Grid Frequency (Hz)	50±5/60±5	50±5/60±5
THDi	≤3%	≤3%
THDu	1%	1%
Power Factor	0.99/-1~1	0.99/-1~1
Rated Input Power (kVA)	250	270
Off-Grid Operation Mode		
Rated Output Voltage (Vac)	400	400
Rated Output Frequency (Hz)	50/60	50/60
Grid/Off-Grid Switching Device	Present	Present
Human-Computer Interaction		
Cloud Platform/Touch Screen		
Battery Parameters		
Cell Type	LFP	LFP
Cell Capacity	280Ah	280Ah
Rated Cell Voltage	3.2V	3.2V
Maximum Discharge Rate	1P	1P
Battery Pack Assembly	2P260S	3P260S
Rated System Voltage	832V	832V
Operating Voltage Range	728~936V	728~936V
Total System Capacity	466kWh	699kWh
Operating Temperature Range	Charging 0℃ ~ 50℃/Discharging -20℃ ~ 50℃	Charging 0℃ ~ 50℃/Discharging -20℃ ~ 50℃
Matching Diesel Generator/Grid Parameters--Slow Charging Port		
Wiring Method	3W+PE	3W+PE
Input Voltage (Vac)	323~486	323~486
Input Frequency (Hz)	45~65	45~65
Power (kW)	40/80	40/80
Matching Diesel Generator/Grid Parameters--Fast Charging Port		
Wiring Method	3W+N+PE	3W+N+PE
Input Voltage (Vac)	400 (±15%)	400 (±15%)
Input Frequency (Hz)	50±5/60±5	50±5/60±5
Power (kW)	250	270
System Parameters		
Noise @ 1m horizontal	<75dB	<75dB
Dimensions (WxHxD) (mm)	2438*2591*2991	2438*2591*2991
IP Rating	IP54	IP54
Weight (kg)	11000	13000
Permissible Altitude	2000m	2000m
Communication Interface	Ethernet, RS485, CAN	Ethernet, RS485, CAN

*Smaller input sources can be used, but this will result in lower charging speed.

XME-T Series Product Specifications

Model	XME-2090T	XME-1306T
System Capacity	2090 kWh (3135 kWh optional)	1306 kWh (1045 kWh optional)
Battery Parameters		
Cell Type	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Cell Specifications	3.2V 314Ah 0.5P	3.2V 314Ah 0.5P
IP Rating	IP67	IP67
AC Charging and Discharging		
Rated Output Power	1080 kW (expandable to 1350 kW)	675 kW (expandable to 1350 kW)
Rated System Output Voltage	AC400V, 3P+N+PE	AC400V, 3P+N+PE
Rated Discharge Frequency	50/60Hz	50/60Hz
Discharging Outlet 1	3P+N+PE Heavy-Duty Outlet (Customizable)	3P+N+PE Heavy-Duty Outlet (Customizable)
Discharging Outlet 2	1*16A Single-Phase 5-Port Socket (Expandable & Customizable)	1*16A Single-Phase 5-Port Socket (Expandable & Customizable)
DC Discharge		
Rated Charging Power	3*320kw	2*320kw
DC Charging Voltage Range	DC728~936V	DC728~936V
DC Charging Interface Type	3*600A Vehicle-Mounted Charging Socket (Customizable)	2*600A Vehicle-Mounted Charging Socket (Customizable)
System Parameters		
Cooling Method	Liquid Cooling	Liquid Cooling
Communication Interface	RS485, Ethernet, CAN, and 4G	RS485, Ethernet, CAN, and 4G
Operating Temperature Range	-20℃ ~50℃	-20℃ ~50℃
Interaction Method	Cloud Platform/Touch Screen	Cloud Platform/Touch Screen
Altitude	2000m	2000m
IP Rating	IP54	IP54
Corrosion Protection Rating	C4 (C5 Customizable)	C4 (C5 Customizable)
Dimensions (WxHxD)	2438*2896*6058mm	2438*2896*2991mm

XME-C Series Product Specifications

Model	XME-2090C	XME-1306C
System Capacity	2090 kWh (2351/2612 kWh optional)	1306 kWh (1044 kWh optional)
Battery Parameters		
Cell Type	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Cell Specifications	3.2V 314Ah 0.5P	3.2V 314Ah 0.5P
IP Rating	IP67	IP67
AC Charging and Discharging		
Rated Output Power	810 kW (expandable to 1350 kW)	405 kW (expandable to 675 kW)
Rated System Output Voltage	AC400V, 3P+N+PE	AC400V, 3P+N+PE
Rated Discharge Frequency	50/60Hz	50/60Hz
Discharging Outlet 1	3P+N+PE Heavy-Duty Outlet (Customizable)	3P+N+PE Heavy-Duty Outlet (Customizable)
Discharging Outlet 2	1*16A Single-Phase 5-Port Socket (Expandable & Customizable)	1*16A Single-Phase 5-Port Socket (Expandable & Customizable)
DC Discharge		
Charging Pile	320 kW Dual-Gun Integrated DC Charging Pile	320 kW Dual-Gun Integrated DC Charging Pile
Number of Charging Piles	2	1
Charging Pile Interface	250A	250A
Output Voltage Range	300-1000Vdc	300-1000Vdc
Gun Cable Length	7 meters	7 meters
DC Charging		
Rated Charging Power	3*320kw	2*320kw
DC Charging Voltage Range	DC728~936V	DC728~936V
DC Charging Interface Type	3*600A Vehicle-Mounted Charging Socket (Customizable)	2*600A Vehicle-Mounted Charging Socket (Customizable)
System Parameters		
Cooling Method	Liquid Cooling	Liquid Cooling
Communication Interface	RS485, Ethernet, CAN, and 4G	RS485, Ethernet, CAN, and 4G
Operating Temperature Range	-20℃ ~50℃	-20℃ ~50℃
Interaction Method	Cloud Platform/Touch Screen	Cloud Platform/Touch Screen
Altitude	2000m	2000m
IP Rating	IP54	IP54
Corrosion Protection Rating	C4 (C5 Customizable)	C4 (C5 Customizable)
Dimensions (WxHxD)	2438*2896*6058mm	2438*2896*2991mm

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