

PRODUCT CATALOGUE

ZOFANDE

Innovation in Energy Powers a Brighter Future





Located in Yueqing, Wenzhou, Zhejiang — China's famous electrical industry hub, ZOFANDE boasts superior industrial clusters and complete supply chains. We focus on R&D, intelligent manufacturing and service of power transmission & distribution equipment and new energy charging devices.

Our main products are intelligent charging piles and box-type transformers, which strictly follow national standards. Widely used in industrial parks, urban infrastructure, new energy stations and residential areas, they are safe, stable, efficient and highly adaptable. We also supply full-series power transmission and distribution products to meet diverse market demands.

Grasping dual-carbon development opportunities, we stick to traditional industry upgrading and new energy innovation, develop land-water integrated charging solutions and expand green energy applications.

We attach great importance to technological research and industry standard formulation, constantly optimize products to keep advanced performance and stable quality.

Upholding the core concepts of quality, innovation and service, ZOFANDE devotes itself to power and new energy charging fields. We deliver professional, reliable and eco-friendly overall power solutions, aiming to be your trusted partner in the new energy power industry.



Catalogue

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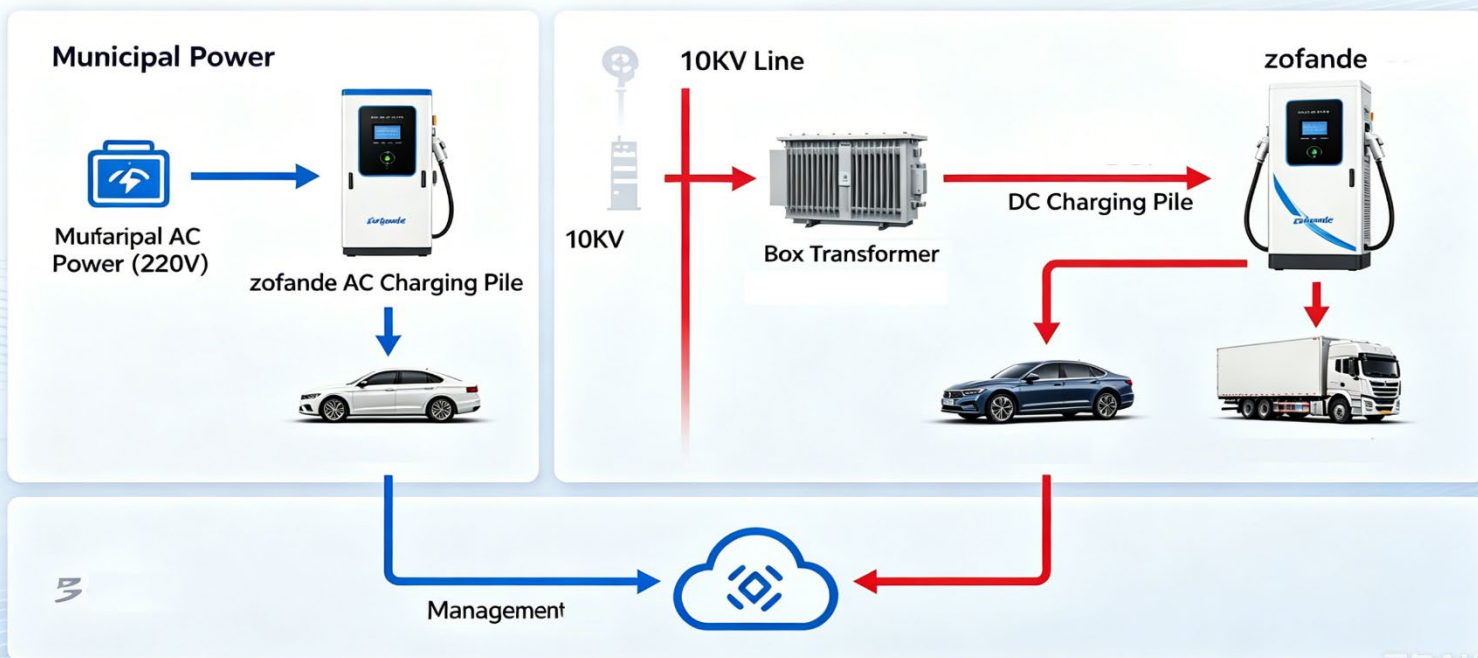
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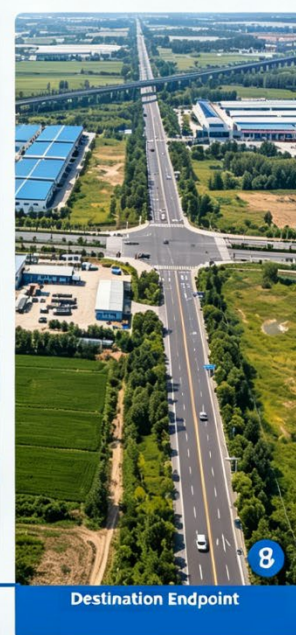


Zofande New Energy Group Power Transmission & Distribution and New Energy Charging Solutions



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Electric Heavy Truck Long - Distance Transportation Energy - Supplement Route Map



豆包AI生成



**AC CHARGING
SERIES**

3.5kW/7kW

Portable AC Charging Station



J1772(Type1) IEC62196(Type2) GB/T 20234

PARAMETERS

GB/T	ZFD-AC-3.5kW	ZFD-AC-7kW
Input Voltage	AC220V±15%;50Hz	
Input Current	16A	32A
Rated Power	3.5kW	7kW
Product Dimension	221*98*58mm	
HMI	2.8- inch LED	
Starting Mode	Plug and Charge	
Protection Grade	IP54	
Protection Functions	Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection,	
Working Environment	Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing	
Type2		
Input Voltage	AC230±15%;50Hz	
Input Current	16A	32A
Rated Power	3.5kW	7kW
Product Dimension	221*98*58mm	
HMI	2.8- inch LED	
Starting Mode	Plug and Charge	
Protection Grade	IP54	
Protection Functions	Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection,	
Working Environment	Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing	
Type1/Nacs		
Input Voltage	AC240±15%;60Hz	
Input Current	16A	32A
Rated Power	3.5kW	7kW
Product Dimension	221*98*58mm	
HMI	2.8- inch LED	
Starting Mode	Plug and Charge	
Protection Grade	IP54	
Protection Functions	Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection,	



overvoltage protection



undervoltage protection



lightning protection



IP54



overcurrent protection



overtemperature protection



IK10

7kW/14kW/22kW

Wall-mounted / Floor-standing
AC Charging Station

Metal Enclosure



PARAMETERS

GB/T

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

ZFD-AC-7kW

AC220V±15%; 50Hz
16A/32A
7kW
295*195*95.5 mm
4.3-inch LED
Card Swiping / Code Scanning / Password
IP54
Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection, Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing

Type2

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

ZFD-AC-7kW | ZFD-AC-11kW | ZFD-AC-22kW

AC230V±15%/AC400V±15%; 50Hz
16A/32A
7kW | 11kW | 22kW
295*195*95.5 mm
4.3-inch LED
Card Swiping / Code Scanning / Password
IP54
Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection, Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing

Type1/Nacs

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

AC240±15%; 60Hz
16A/32A/40A
3.8kW | 7.6kW | 9.6kW
295*195*95.5 mm
4.3-inch LED
Card Swiping / Code Scanning / Password
IP54
Short circuit, overcurrent, overtemperature, leakage, overvoltage & undervoltage protection, Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing



overvoltage protection



undervoltage protection



lightning protection



IP54



overcurrent protection



overtemperature protection



IK10

PARAMETERS

7kW/14kW/22kW

Wall-mounted / Floor-standing
AC Charging Station

Plastic Enclosure



J1772(Type1) IEC62196(Type2) GB/T 20234

GB/T

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

ZFD-AC-7kW

AC220V±15%; 50Hz
16A/32A
7kW

295*195*95.5 mm
4.3-inch LED

Card Swiping / Code Scanning / Password

IP54

Short circuit, overcurrent, overtemperature,
leakage, overvoltage & undervoltage protection,
Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity
≤95%, non-condensing

Type2

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

ZFD-AC-7kW | ZFD-AC-11kW | ZFD-AC-22kW

AC230V±15%/AC400V±15%; 50Hz

16A/32A
7kW | 11kW | 22kW

295*195*95.5 mm
4.3-inch LED

Card Swiping / Code Scanning / Password

IP54

Short circuit, overcurrent, overtemperature,
leakage, overvoltage & undervoltage protection,
Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity
≤95%, non-condensing

Type1/Nacs

Input Voltage
Input Current
Rated Power
Product Dimension
HMI
Starting Mode
Protection Grade
Protection Functions

Working Environment

AC240±15%; 60Hz

16A/32A/40A
3.8kW | 7.6kW | 9.6kW

295*195*95.5 mm
4.3-inch LED

Card Swiping / Code Scanning / Password

IP54

Short circuit, overcurrent, overtemperature,
leakage, overvoltage & undervoltage protection,
Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity
≤95%, non-condensing



overvoltage
protection



undervoltage
protection



lightning
protection



IP54



overcurrent
protection



overtemperature
protection



IK10



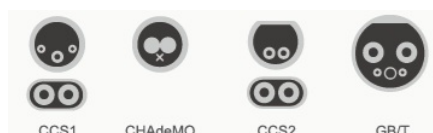


20kW/30kW/40kW

Wall-mounted / Floor-standing DC Charging Station

□ Compact DC charging piles support wall-mounted and floor-mounted installation styles with flexible layout, widely applicable to residential communities, office parks, shopping mall parking lots and other places.

□ This series features compact structure and wide adaptability, suitable for daily fast charging of private passenger vehicles and light commercial vehicles. It is also ideal for building convenient charging networks at township stations and enterprise internal parking lots.



Model	ZFD-DC-20kW	ZFD-DC-30kW	ZFD-DC-40kW
Input Voltage		AC380V±15%	
Rated Power	20kW	30kW	40kW
Output Voltage		DC200~1000V	
Output Current		0-100A	
Input Frequency		50Hz±10%	
Product Dimensions		750*600*256mm	
Cable Length		5M	
Conversion Efficiency		≥97%	
Charging Mode		Automatic/fixed power/fixed time	
HMI		4.3-inch LED	
Start Mode		Card Swiping / Code Scanning / Password	
Protection Grade		IP54	
Working Environment		Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing	
Executive Standard		GB/T18487; GB/T20234; IEC61851; IEC62196;	



overvoltage protection



undervoltage protection



lightning protection



IP54



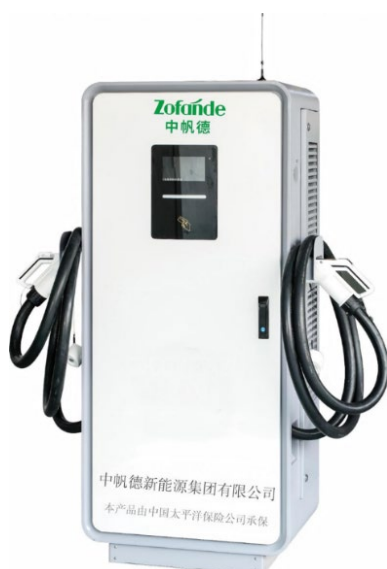
overcurrent protection



overtemperature protection



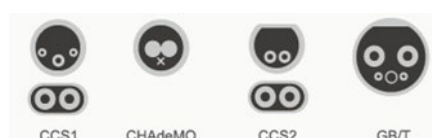
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60kW

DC Charging Station

- The 60kW DC charging pile delivers high charging efficiency and wide site adaptability, mainly deployed in urban public charging stations, highway service areas, industrial parks and other mainstream charging zones.
- It boasts stable overall performance and powerful fast charging capacity, meeting rapid power supplement demands of new energy private cars, online-hailing vehicles, light commercial vehicles and other models, perfectly suitable for large-scale centralized charging scenarios.



Model	ZFD-DC-60KW
Input Voltage	AC380V±15%
Rated Power	60kW
Output Voltage	DC200~1000V
Output Current	0-200A
Input Frequency	50Hz±10%
Product Dimensions	1500*700*500mm
Cable Length	5M
Conversion Efficiency	≥97%
Charging Mode	Automatic/fixed power/fixed time
HMI	7-inch LED
Start Mode	Card Swiping / Code Scanning / Password
Protection Grade	IP54
Working Environment	Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing
Executive Standard	GB/T18487; GB/T20234; IEC61851; IEC62196;



overvoltage
protection



undervoltage
protection



lightning
protection



IP54



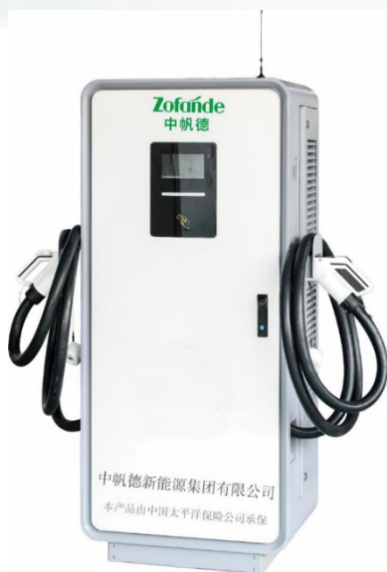
overcurrent
protection



overtemperature
protection



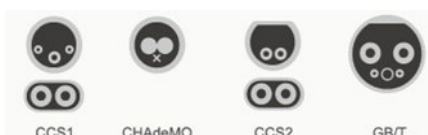
IK10



120kW-480kW

DC Charging Station

- 120kW to 480kW high-power DC charging piles feature fast charging speed and strong output power, suitable for large centralized charging sites such as highway service areas, large public charging stations and logistics parks.
- Fully compatible with new energy passenger cars, online car-hailing vehicles, heavy trucks, engineering vehicles and other models, it meets the high-efficiency fast charging demands for long-distance travel and operational vehicles.



Model	ZFD-DC-(120kW/160kW)	ZFD-DC-(240kW-480kW)
Input Voltage	AC380V±15%	
Rated Power	120kW/160kW	240kW/300kW/360kW/480kW
Output Voltage	DC200~1000V	
Output Current	0-250A	0-300A
Input Frequency	50Hz±10%	
Product Dimensions	1900*650*800mm	
Cable Length	5M/7M	
Conversion Efficiency	≥97%	
Charging Mode	Automatic/fixed power/fixed time	
HMI	7-inch LED	
Start Mode	Card Swiping / Code Scanning / Password	
Protection Grade	IP54	
Working Environment	Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing	
Executive Standard	GB/T18487; GB/T20234; IEC61851; IEC62196;	



overvoltage protection



undervoltage protection



lightning protection



IP54



overcurrent protection



overtemperature protection



IK10

240kW-2MW

Flexible Charging Stack



□ It is widely used in public charging stations, highway service areas, logistics parks and commercial vehicle stations to meet fast charging demands of various new energy vehicles.

□ It realizes dynamic power distribution, improves equipment utilization and effectively cuts down overall operation costs.

Model	ZFD-DC-(480kW-2.5MW)
Input Voltage	AC380V±15%
Rated Power	240kW/360kW/480kW/720kW/1440kW/2MW
Output Voltage	DC200~1000V
Output Current	0-600A
Input Frequency	50Hz±10%
Product Dimensions	2200*1000*800mm
Cable Length	5M
Conversion Efficiency	≥97%
Charging Mode	Automatic/fixed power/fixed time
HMI	7-inch LED
Start Mode	Card Swiping / Code Scanning / Password
Protection Grade	IP54
Working Environment	Altitude ≤ 4000m; Temp: -20°C ~ 50°C; Humidity ≤95%, non-condensing
Executive Standard	GB/T18487; GB/T20234; IEC61851; IEC62196;



overvoltage
protection



undervoltage
protection



lightning
protection



IP54



overcurrent
protection



overtemperature
protection



IK10



YB-12

Outdoor Prefabricated Substation

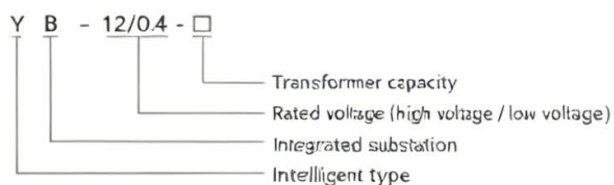


Overview

YB-12/0.4 outdoor prefabricated substation (European type) is widely used in urban power grid transformation, residential,

- High and low voltage protection and low-voltage switchgear are integrated into one, with strong sets;
- High and low voltage switchgear, operation is safe and reliable;
- High and low voltage protection is perfect, maintenance cycle, and maintenance is simple;
- Less land occupation, low investment, short production cycle and convenient movement;
- Flexible wiring schemes;
- Unique structure: The unique honeycomb structure double-layer (composite panel) shell is firm, heat-insulating

Model Definition



Transformer

The intelligent integrated substation adopts low-loss, oil-immersed, fully-sealed S9, S10, S11 series transformers. Eco-friendly dry-type transformers with resin insulation or NOMEX paper insulation are also optional. The bottom can be equipped with trolleys for easy transformer access.

High-Voltage Side

Protected by a load switch-fuse combination. If one phase of the fuse blows, the three-phase linkage trips. The load switch is available in pressure gas, vacuum, and SF₆ types, and can be equipped with an electric operating mechanism for automation upgrades. The fuse is a high-voltage current-limiting type with a striker, ensuring reliable operation and high breaking capacity (main technical parameters are shown in the table below). For transformers above 800kVA, vacuum circuit breakers such as ZN12, ZN28, and VS1 can be used for protection.

Low-Voltage Side

The main switch on the low-voltage side uses a universal or intelligent circuit breaker for selective protection. Outgoing switches use new molded-case switches with small size and short arc extinction, supporting up to 30 circuits. The intelligent automatic tracking reactive power compensation device is available with two switching methods: contactor-based and contactless, for user selection.

Load Switch Technical Parameters

Item	Unit	FKN12-12	FZN25-12
Rated Voltage	kV	10	10
Maximum Working Voltage	kV	12	12
Rated Frequency	Hz	50	50
Rated Current	A	630	630
Rated Breaking Load Current	A	630	630
Thermal Stability Current (RMS)	kA/s	20/2	20/4
Dynamic Stability Current	kA	50	50
Short-Time Making Current (Peak)	kA	50	50
Full Load Breaking Cycles	times	20	10000
Mechanical Life	times	2000	10000
1min Power Freq. Withstand Voltage	kV	42	42
Lightning Impulse Withstand Voltage	kV	75	75

High-Voltage Fuse Technical Parameters

Model		Rated Voltage (kV)	Breaking Current (A)	Breaking Capacity (kA)	Rated Fuse Element Current (A)
Oversea	Domestic				
SDL※J		12	40	31.5	6.3, 10, 16, 20, 25, 31.5, 40
SFL※J	XRNT-12	12	100	31.5	50, 63, 71, 80, 100
SKL※J		12	125	31.5	125

YB(ZGS)-12 Prefabricated Substation (American Style)

Prefabricated substation (American style)



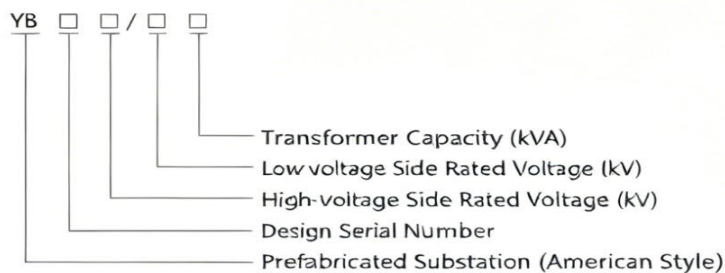
Overview

Developed with advanced international technologies and adapted for domestic use, it features compact design, easy maintenance, low noise/loss, anti-theft, strong overload capacity, and full protection. Ideal for residential areas, parks, construction sites, airports, etc. Suitable for 10kV ring/dual/terminal power systems, performing transformation, metering, compensation, and protection functions.

Compliant with:

- GB/T 17467-1998
- DL/T 537-93

Model Meaning



Real cases



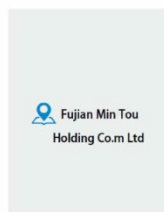
Shanghai New Materials



China Gas Holdings Limited



China Railway 14th Bureau Group Co., Ltd



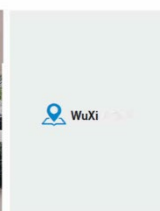
Fujian Min Tou Holding Co. Ltd



Potevio



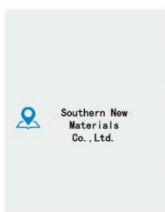
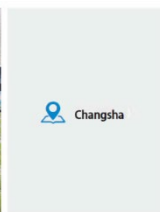
WuXi



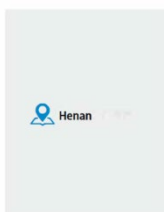
China Tower Corporation Limited



Changsha



Southern New Materials Co., Ltd.



Henan



Chengde Coal Preparation Plant



Sichuan



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