

The EVCD™ Series

Electric Vehicle DC Charging Units

E24™

P262E



Electric Vehicle DC Charging Units from 30KW to 120KW

With the proliferation of electric vehicles, it is becoming necessary to deploy a large number of electric vehicle charging units.

Vehicles are supplied with AC charging adaptor for a slow overnight charge. Vehicles that have to travel remote distances will require fast charging means.

E24 offers a wide range of Electric Vehicle chargers using different technologies to be compatible with every market.

The E24 chargers can be selected to provide up to 4 charging guns in order to charge multiple cars simultaneously.

The EVCD™ Series DC Electric Vehicle Chargers

This system integrates charging pile, charging interface, human-machine interface, communication and billing. It is suitable for outdoor DC charging for electric vehicles with safety and automation.

Features:

- **High-performance ARM chip, efficiency and stability**
- **Human-machine interface, 7-inch true color touch screen, user-friendly design**
- **Perfect electrical protection**
- **Great cost-effective, elegant appearance**
- **IP grade (IP54)**
- **Intelligent Ethernet communication**
- **Wireless communication function**
- **Double-plug intelligent output**



Technical Specifications

Specification		Type	EVCD21-30KI	EVCD22-30KI	EVCD31-30KI	EVCD32-30KI
Product		Integrated DCCharger				
Input	Rated voltage (Vac)	380V (Three-phase-five-wire system, 3W+N+PE)±20%				
	Frequency range (Hz)	45~65				
	PF	≥0.99				
output	Numbers of charging Gun	1	2	1	2	
	Output voltage (Vdc)	200~500		300~750		
	Output power (kW)	30				
	Rated current (A)	60		40		
Equipment Information	Length of charging gun	5m	7m	5m	7m	
	Cooling	Air cooling				
	Efficiency	≥95.5%				
	Noise (dB)	<60				
	Stabilized current precision	≤±1.0%				
	Stabilized voltage precision	≤±0.5%				
	Output current accuracy	≤±1.0%				
	Output voltage accuracy	≤±0.5%				
	Current imbalance	≤±3.0%				
	THDI	≤4%				
	Working temperature (°C)	-20~+50				
	Storage temperature (°C)	-20~+70				
	Operating humidity	5~95%				
	Dimension (W×D×H) (mm)	420×280×1650				
Weight (kg)	85	95	85	95		
Features	Basic	Human-machine interface: 7-inch touchscreen Payment mode: non-contact CPU card BMS auxiliary power supply: 12/24V switchable (optional for 12V or 24V) Billing: DC energy meter Communication Interface: Ethernet				
	Optional	Length of charging gun: 5m, 7m, 10m, communication interface:4G wireless function				
Others	IP grade	IP54				
	Basic protection	Short-circuit, over/under voltage, over current, DC insulation detection				
	Remote controlling	Able to send commands and switch signal to control start and stop of charging pile				
	Protective measures	Anti-moisture, anti-fungal, anti-salt spray, anti-dust, etc.				
	Charge according to different time	Charge differently at peak and valley time				

Specification		Type	EVCD21-45KI	EVCD21-60KI	EVCD22-60KI	EVCD31-60KI	EVCD32-60KI
Product		Integrated DC charger					
Input	Rated voltage (Vac)	380V (Three-phase-five-wire system, 3W+N+PE) ±20%					
	Frequency range (Hz)	45~65					
	PF	≥0.99					
Output	Numbers of charging gun	1	1	2	1	2	
	Output voltage (Vdc)	200~500			300~750		
	Output power (kW)	45	60		60		
	Rated current (A)	90	120		80		
Equipment Information	Length of charging gun	5m		7m	7m	7m	
	Cooling	Air cooling					
	Efficiency	≥95.5%					
	Noise (dB)	<60					
	Stabilized current precision	≤±1.0%					
	Stabilized voltage precision	≤±0.5%					
	Output current accuracy	≤±1.0%					
	Output voltage accuracy	≤±0.5%					
	Current imbalance	≤±3.0%					
	THDI	≤4%					
	Working Temperature(°C)	-20~+50					
	Storage Temperature(°C)	-20~+70					
	Operating humidity	5~95%					
	Dimension (W×D×H) (mm)	600×398×1650					
Weight (kg)	158	166	186	166	186		
Features	Basic	Human-machine interface: 7-inch touch screen Payment mode: Non-contact CPU card charge BMS auxiliary power supply: 12/24V switch (optional for 12V or 24V) Billing: DC energy meter Communication Interface: Ethernet					
	Optional	Length of charging gun: 5m, 7m, 10m Communication interface: 4G wireless function					
Others	IP grade	IP54					
	Basic Protection	Short-circuit, over/under voltage, over current, leakage, etc.					
	Remote Controlling	Able to send commands and switch signal to control start and stop of charging pile					
	Protective Measures	Anti-moisture, anti-fungal, anti-salt spray, anti-dust, etc					
	Charge According to Different Time	Charge differently at peak and valley time					

Specification		Type	EVCD22-90KI	EVCD32-90KI
Product name		Integrated DC charger		
Input	Rated voltage (Vac)	380V (Three-phase-five-wire system, 3W+N+PE)±20%		
	Rated frequency (Hz)	45~65		
	PF	≥0.99		
Output	Numbers of charging gun	2		
	Output voltage (Vdc)	200~500	300~750	
	Output power (kW)	90		
	Rated current (A)	180	120	
Equipment Information	Length of charging gun	7m		
	Cooling	Air cooling		
	Efficiency	≥95.5%		
	Noise (dB)	<60		
	Stabilized current precision	≤±1.0%		
	Stabilized voltage precision	≤±0.5%		
	Output current accuracy	≤±1.0%		
	Output voltage accuracy	≤±0.5%		
	Current sharing unbalance	≤±3.0%		
	THDI	≤4%		
	Working Temperature (°C)	-20~+50		
	Storage Temperature (°C)	-20~+70		
	Operating humidity	5~95%		
	Dimension (W×D×H) (mm)	750×480×1750		
Weight (kg)	268			
Features	Basic	Human-machine interface: 7-inch touch screen Payment mode: Non-contact CPU card BMS auxiliary power supply: 12/24V switchable (optional for 12V or 24V) Billing: DC energy meter Communication Interface: Ethernet		
	Optional	Length of charging gun: 5 m, 10 m Communication interface: 4G wireless function		
others	IPgrade	IP54		
	Basic protection	Short-circuit, over/under voltage, over current, leakage, etc.		
	Remote controlling	Able to send commands and switch signal to control start and stop of charging pile		

Specification		Type	EVCD22-120KI	EVCD32-120KI
Product name		Integrated DC charger		
Input	Rated voltage (Vac)	380V (Three-phase-five-wire system, 3W+N+PE)±20%		
	Rated frequency (Hz)	45~65		
	PF	≥0.99		
Output	Numbers of charging gun	2		
	Output voltage (Vdc)	200~500	300~750	
	Output power (kW)	120		
	Rated current (A)	240	160	
Equipment Information	Length of charging gun	7m		
	Cooling	Air cooling		
	Efficiency	≥95.5%		
	Noise (dB)	<60		
	Stabilized current precision	≤±1.0%		
	Stabilized voltage precision	≤±0.5%		
	Output current accuracy	≤±1.0%		
	Output voltage accuracy	≤±0.5%		
	Current sharing unbalance	≤±3.0%		
	THDI	≤4%		
	Working Temperature (°C)	-20~+50		
	Storage Temperature (°C)	-20~+70		
	Operating humidity	5~95%		
	Dimension (W×D×H) (mm)	750×570×1750		
Weight (kg)	285			
Features	Basic	Human-machine interface: 7-inch touch screen Payment mode: Non-contact CPU BMS auxiliary power supply: 12/24V switchable (optional for 12V or 24V) Billing: DC energy meter Communication Interface: Ethernet		
	Optional	Length of charging gun: 5 m, 10 m Communication interface: 4G wireless function		
others	IPgrade	IP54		
	Basic protection	Short-circuit, over/under voltage, over current, leakage, etc.		
	Remote controlling	Able to send commands and switch signal to control start and stop of charging pi		
	Protective measures	Anti-moisture, anti-fungal, anti-salt spray, anti-dust, etc.		
	Charge according to different time	Charge differently at peak and valley time		

Ordering Information

Ref Number	Description
EVCD21-30KI	Electric Vehicule DC Charging Unit, Type 2, 1 Charging gun, 30KW, 3P input, 220/380V, 50/60 Hz
EVCD22-30KI	Electric Vehicule DC Charging Unit, Type 2, 2 Charging guns, 30KW, 3P input, 220/380V, 50/60 Hz
EVCD31-30KI	Electric Vehicule DC Charging Unit, Type 3, 1 Charging gun, 30KW, 3P input, 220/380V, 50/60 Hz
EVCD32-30KI	Electric Vehicule DC Charging Unit, Type 3,2 Charging guns, 30KW, 3P input, 220/380V, 50/60 Hz
EVCD21-45KI	Electric Vehicule DC Charging Unit, Type 2, 1 Charging gun, 45KW, 3P input, 220/380V, 50/60 Hz
EVCD21-60KI	Electric Vehicule DC Charging Unit, Type 2, 1 Charging gun, 60KW, 3P input, 220/380V, 50/60 Hz
EVCD22-60KI	Electric Vehicule DC Charging Unit, Type 2, 2 Charging guns, 60KW, 3P input, 220/380V, 50/60 Hz
EVCD31-60KI	Electric Vehicule DC Charging Unit, Type 3, 1 Charging gun, 60KW, 3P input, 220/380V, 50/60 Hz
EVCD32-60KI	Electric Vehicule DC Charging Unit, Type 3, 2 Charging guns, 60KW, 3P input, 220/380V, 50/60 Hz
EVCD22-90KI	Electric Vehicule DC Charging Unit, Type 2, 2 Charging guns, 90KW, 3P input, 220/380V, 50/60 Hz
EVCD32-90KI	Electric Vehicule DC Charging Unit, Type 3, 2 Charging guns, 90KW, 3P input, 220/380V, 50/60 Hz
EVCD22-120KI	Electric Vehicule DC Charging Unit, Type 2, 2 Charging guns, 120KW, 3P input, 220/380V, 50/60 Hz
EVCD32-120KI	Electric Vehicule DC Charging Unit, Type 3, 2 Charging guns, 120KW, 3P input, 220/380V, 50/60 Hz
EVCD34-120KI	Electric Vehicule DC Charging Unit, Type 3, 4 Charging guns, 120KW, 3P input, 220/380V, 50/60 Hz



PV Panels

PV Cabling Kits

PV Mounting Kits



PV Charge
Controllers



PV Inverter



PV Controllers



E24 Offers a wide range of products to integrate renewable energy generation, conversion and Storage

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers.

Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.

When installed by an E24 Authorized Installer, E24 products are optimally designed to work perfectly with each other in order to provide maximal performance and reliability.



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ISO 9001:2015



QUALITY STANDARD

