

ELECTRIC VEHICLE CHARGER

As global focus on environmental protection and sustainable development continues to grow, electric vehicles (EVs) have become a key driver in promoting green mobility.

As pioneers in this transformation, CNHK's EV chargers aim to provide you with efficient, safe, and convenient charging solutions.



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We employ the latest charging technology to ensure that your electric vehicle is fully charged in the shortest time possible. Whether it's for long-distance travel or urban commuting, CNHK's EV chargers provide a stable source of energy for your vehicle.

FAST CHARGING

SAFETY AND RELIABILITY

We understand the importance of safety for every user. Therefore, CNHK's EV Chargers undergo rigorous quality testing to ensure the utmost reliability during charging.

CNHK offers the properly protection, switching and measuring equipment for installing in charging stations.



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SMART OPERATIONS EASY TO USE



CNHK 's EV chargers feature an intelligent design, supporting various payment methods. With just a few simple steps, you can start charging your vehicle. Additionally, our charger support the open charge point protocol 1.6 which keeps you updated on the charging status, allowing you to monitor the progress at any time.

DIVERSIFIED SOLUTIONS

Not only personal use but also the local government charging project and Public parking lots, we can provide diversified solutions as well as OEM service.



🔌 Charging network operator project solutions



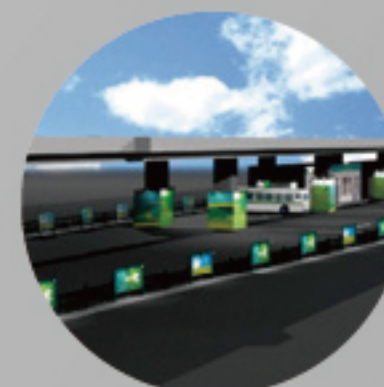
🔌 Charging solutions for store building parking lots



🔌 Car rental charging solutions



🔌 Special charging solutions for E Vehicles



🔌 Highway service station charging solutions



🔌 Emergency rescue charging solutions



🔌 Local government charging project solutions



🔌 Solar, E-storage and charging solutions

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STANDARD COMPLIANCE

The EV chargers meet configuration functionality requirements for electric vehicle charging stations in accordance with IEC61851, IEC60304 and IEC62196



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CUSTOMER-FRIENDLY DESIGN

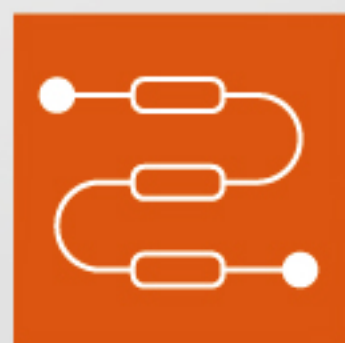
Simple installation and wiring
since all components are suitable
for DIN rail mounting

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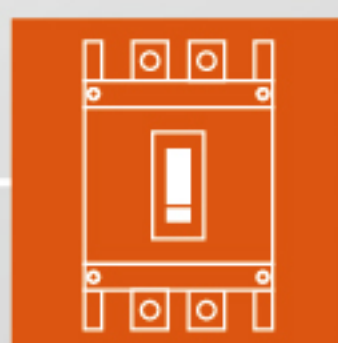




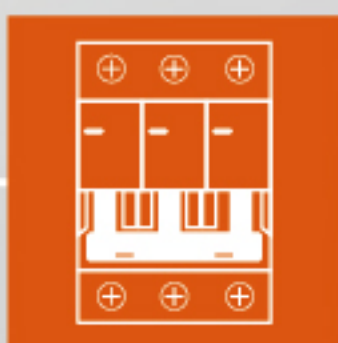
Protection



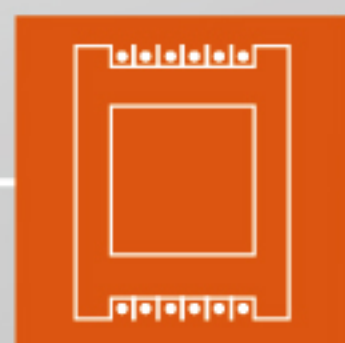
Line



MCCB



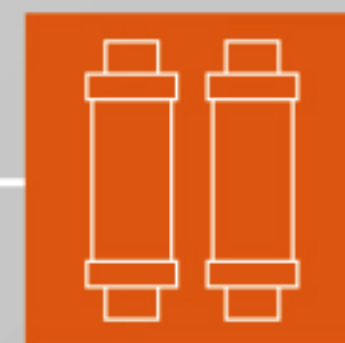
AC contactor



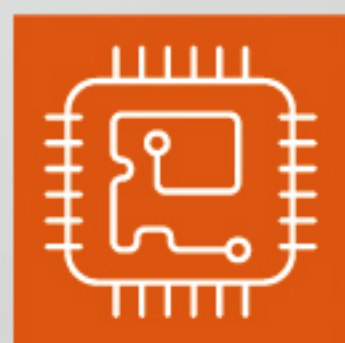
PowerModule



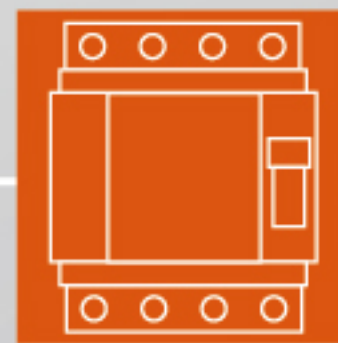
DC contactor



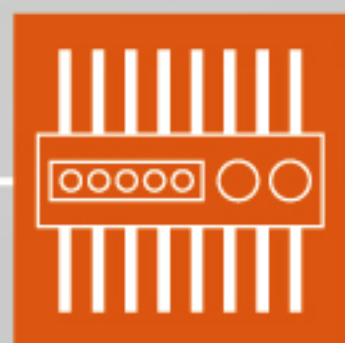
Fuse



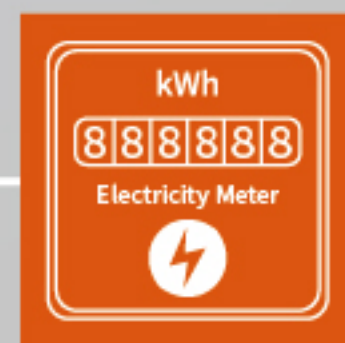
Control



RCCB



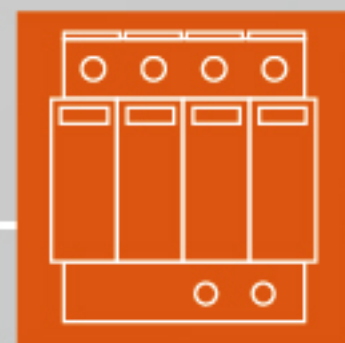
System controller for
charging interface



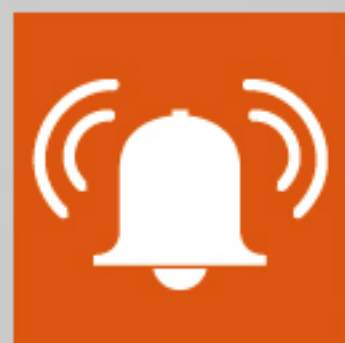
Digital electric meter



Surge Arrester



Surge Protection device (SPD)



Emergency



E-Stop Push Button



Charging
socket



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TECHNICAL DATA FOR DC TYPE EV CHARGER

Main feature

Input power	3-Phase AC400V
Out power	DC 50V -1000V/ up to 240A 120KW, 160KW, 180KW, 240KW
Voltage stabilization precision	$\leq \pm 0.5\%$
Current stabilization precision	$\leq \pm 1\%$
Ripple Factor	$\leq \pm 1\%$
Frequency	50/60Hz
Environmental, climatic Protection	Anti moisture, anti mold, anti salt spray
Line protection	Fuse, AC Contactor, Control Module for charging
Residual current protection	RCCB
System Protection	Surge Protection Device(SPD)
Emergency Protection	E-stop
Energy Meter	Digital energy meter with DIN rail mounting
Operating system	Open Charge Point Protocol 1.6
Remote data transmission	4G, Ethernet, WIFI
Cable	700 (W) *600 (D) *1900 (H) mm
Connector sockets	IEC62196, Combined Charging System(CCS), CCS2

Control

Touch Screen	7-inch big color touch screen
Identification	RFID card swiping/QR code scanning/ APP payment (optional)
Charging status indication	Every EV charger has charging, fault, and stop signal indication

Performance

Power factor	≥ 0.99 @ Full load output power, nominal input voltage and frequency
Efficiency	$\geq 96\%$
THDi	$\leq 5\%$ (half load and above)
Standby Power	$\leq 12W$
Unbalance current distribute	$\leq \pm 3\%$

Enclosure

Material	Cold rolled sheet(2.0mm) or customized
Finish	Standard powder coating RAL7035 or customized
Degree of protection	IP54
Dimension& Weight	DC :700 (W) *600 (D) *1900 (H) mm & 300kg

Environmental Conditions

Operational Temperature	-30°C- +50°C
Relative Humidity	5%~95%
Altitude	Below 2000M or customized acc. to local environmental conditions

Standards and regulations

Main Equipment	Compliant with IEC61851
Socket	Compliant with IEC62196
Quality assurance	ISO9001
Certificate	CE, RoHS, WEEE



TECHNICAL DATA FOR AC TYPE EV CHARGER

Main feature

Input power	1-Phase AC230V 3-Phase AC400V
Out power	1-Phase AC230V/ Up to 32A 7KW 3-Phase AC400V/ Up to 16A 11KW 3-Phase AC400V/ Up to 32A 21KW
Frequency	50/60Hz
Environmental, climatic Protection	Anti moisture, anti mold, anti salt spray
Residual current protection	RCCB
Emergency Protection	e-stop
Lifetime	>10,000 times
Energy Meter	Optional
Operating system	Open Charge Point Protocol 1.6
Remote data transmission	4G, Ethernet, WIFI
Cable	3*6mm ²
Connector sockets	230V/ 32A J1772 Type-1 “Yazaki” 5 poles 400V/ 32A IEC62196 “mennekes” 7 poles

Control

Touch Screen	Non-touch Screen / without Screen (household)
Identification	RFID card swiping/QR code scanning/ APP payment (optional)
Charging status indication	For every EV charger

Enclosure

Material	PC/ Cold rolled sheet(1.2mm) or customized
Finish	Standard powder coating RAL7016 or customized
Degree of protection	IP54
Dimension& Weight	AC :245 (W) *105 (D) *310 (H) mm & 15kg

Standards and regulations

Main Equipment	Compliant with IEC61851
Socket	Compliant with IEC62196
Quality assurance	ISO9001
Certificate	CE, WEEE, RoSH

