



Product Catalog

More aware of charging, a more smart solution



Phone: +86 755 3330 9999
E-mail: inquiry@carenergynet.com
Website: www.carenergynet.com
Address: 24F Clou Building, Baoshen Road, Hi-tech Industrial Park North, Nanshan District, Shenzhen, China

SHENZHEN CEGN CO., LTD



About us

ShenZhen CEGN Co., Ltd , a subsidiary of Shenzhen CLOU Electronics Co. Ltd , registered capital of CNY 210 million. As one of the largest charging equipment manufacturers and operators in China, the company has always been committed to providing users with better experience products and services through new technologies and cloud services, to build a sustainable future.

Our Scale



Independent innovation technology

- 6 Pioneering industry projects
- 58 Participate in the formulation of standards
- 49 Software copyrights
- 95 Authorized patents



Whole industry chain integration

R & D - production - Sales - charging operation - cloud platform



High efficiency production line

- 4 production lines
- 7350 square meters factory area
- 15000 annual production capacity



Industry leading position

- No.4 in China according to the annual charging capacity.
- No.7 in China according to the number of charging piles.



CL5436 Series Wall Mount AC Charger

Main function

- QR-code/ BLE /Card/ Plug and Charge
- No screen/4.3" color LCD (Optional)
- Smart charging
- 30mA Type A RCD + 6mA DC detector
- OCPP 1.6J/2.0J (Optional)
- BLE+ Eth/4G/WiFi

★ Characteristic

- IP55
- Smart lamp signals
- Compatible 7/11/22kW
- Resume charging after fault recovered
- Reservation charging, schedule charging
- Smart temperature sensor, adjust run-time power
- OTA upgrade, Dialog and Troubleshooting
- Low power consumption, environmental protection
- Customized color



Silver, Black, Green and more colors
available for OEM service

Scenario

- Designed for public parking lots, commercial buildings, community properties and household which have the requirement of EV charger, support wall mounted/ floor mounted installation.

Basic parameters				
Parameters	Model	CL5436-A07	CL5436-A11	CL5436-A22
Input	Power supply	P+N+PE	3P+N+PE	
	Voltage	220 ~ 240VAC	380 ~ 415VAC	
	Current	32A	16A	32A
	Frequency	50 / 60Hz		
Output	Voltage	220 ~ 240VAC	380 ~ 415VAC	
	Max current	32A	16A	32A
	Rated power	7kW	11kW	22kW
User interface	Charge plug	Type 2/ Type 1	Type 2/ Type 1	Type 2/ Type 1
	Cable length	3/5 meter (include connector)		
	Enclosure	ABS+PC(IMR technology)		
	indicator	Green/Yellow/Blue/Red		
	LCD display	4.3" color LCD (Optional)		
	RFID card reader	Non-contact (ISO/IEC14443 A)		
	Start method	Card/QR code/ BLE/ Plug and Charge		
Communication	local interface	BLE 5.0,RS 485		
	Uplink interface	Ethernet/4G/WiFi		
	Protocol	OCPP1.6J/2.0J(Optional)		
Safety	RCD	30mA TypeA+6mA DC		
	Emergency stop	Yes		
	Protection grade	IP55		
	Anti-collision grade	IK08		
	Certification	CE, CB		
	Standard	EN/IEC 61851-1:2017		
	Installation	Wall mounted/Ground standing (Optional with pile)		
Working environment	Working temperature	-25℃~+55℃		
	Working humidity	5%~95% (Non-condensation)		
	Storage temperature	-40℃ ~ +70℃		
	Altitude	≤2000m		
Package	Product size	218*109*404mm(W*D*H)		
	Package size	517*432*207mm(L*W*H)		
	Net weight	2.8kg	3.7kg	4.9kg
	Gross weight	3.8 kg	4.7kg	5.9kg
	Packaging material	Carton box		
Others	Warranty	2 years		

CL5435-A07A 7kW Wall Mounted AC Home Charger

Main function

- Button start and stop / Plug and Charge
- Type B RCD
- Smart Charging

★ Characteristic

- Sheet metal compress resistance, Anti-collision grade IK10
- Button start and stop, Easy for use
- Real time power regulation with smart temperature sensor
- Long term warranty

Scenario

- Designed for home use AC EV charger, support installation with wall mounted and floor mounted.



Basic parameters		
Parameters	Model	CL5435-A07A
Input	Power supply	P+N+PE
	Voltage	200~260V
	Current	32A
	Frequency	45~65Hz
Output	Voltage	200~260V
	Max Current	32A
	Rated Power	7kW
User interface	Charge Plug	TYPE 2
	Cable Length	5m (include connector)
	Enclosure	Galvanized steel
	LED indicator	Green/Yellow/Red
	Start method	Button start and stop / Plug and Charge
Safety	RCD	Type B
	Emergency stop	included
	Protection grade	IP54
	Anti-collision grade	IK10
	Certification	CE
	Standard	EN/IEC 61851-1
Working environment	Installation	wall mounted or floor mounted (optional with pile)
	Working temp	-30°C~55°C
	Working humidity	5%~95%(Non-condensation)
	Storage temp	-40°C~70°C
	Altitude	≤ 2000m
Package	Product size	280*166*440mm(W*H*D)
	Package size	564*444*230mm(L*W*H)
	Net weight	11.8kg
	Gross weight	12.8kg
	Packaging material	Carton box
Other	Warranty	2 years

CL5435 series wall mounted AC charger

Main function

- QR-code/ BLE /Card/ Plug and Charge
- 3.5" color LCD
- With 30mA Type A RCD + 6mADC detector
- OCPP1.6J/2.0J(Optional)
- MID Certification
- Ethernet/4G/Wi-Fi/BLE

★ Characteristic

- Compatible 7/11/22kW
- Resume charging after fault recovered
- Support online operation and payment
- With smart temperature sensor, adjust run-time power
- OTA upgrade, Dialog and Troubleshooting
- Compatible plug type and socket type

Scenario

- Designed for public parking lots and commercial buildings, apartment buildings, office buildings where the requirement of EV AC charger have.



Basic parameters

Parameters	Model	CL5435-A10A	CL5435-A21A	CL5435-A21B
Input	Power supply	3P+N+PE		
	Voltage	400VAC±15%		
	Current	16A	32A	32A
	Frequency	45~65Hz		
Output	Voltage	400VAC		
	Max current	16A	32A	32A
	Rated power	11kW	22kW	22kW
User interface	Charge plug	Type2	Type2	Type2 Socket
	Cable length	5 meter (include connector)		/
	Enclosure	Galvanized steel		
	LED indicator	Green/Yellow/Red		
	LCD display	3.5" LCD		
	RFID card reader	Non-contact (ISO/IEC14443 A)		
	Start method	Card/QR code/Plug and Charge		
	Emergency stop	Yes		
Communication	Communication Interface	Ethernet/4G/WIFI/BLE (Optional)		
	Protocol	OCPP1.6J/2.0J(Optional)		
Safety	Energy Meter	MID		
	RCD	30mA TypeA+6mA DC		
	Protection grade	IP54		
	Anti-collision grade	IK10		
	Electrical protection	Over-current, Leakage, Short Circuit, Grounding, Lightning, Under-voltage, Over-voltage and Over-temperature		
	Certification	CE, CB, UKCA, AU/NZ		
	Standard	EN/IEC 61851-1		
Working environment	Installation	Wall mounted/ Ground standing (Optional with pedestal)		
	Working temperature	-25℃~55℃ (with LCD) -30℃~55℃ (without LCD)		
	Working humidity	5%~95% (Non-condensation)		
	Storage temperature	-40℃~+70℃		
	Altitude	≤2000m		
Package	Product size	320*173*490mm(W*D*H)		
	Package size	666*496*227mm(L*W*H)		
	Net weight	11kg	11.5kg	13kg
	Gross weight	12kg	12.5kg	13.5kg
	Packaging material	Carton box		
Others	Warranty	2 years		

CL5830-C08 series Integrated AC / DC EVSE

Main function

- QR-code/ Card/ App
- 7" Color touchable LCD
- With MID/ PTB certification
- Multiple protections include Leakage, Over-voltage, Under-voltage, Over-current, Short circuit, Lightning protection, Anti-reverse connection, Emergency stop, Insulation detection, Adhesion detection and other protections.
- Ethernet RJ-45/4G



★ Characteristic

- 300-1000V constant output power
- Plug lock protection
- Smart power adistribution, single module fault will not affect others
- AC/DC integrated, charge plug can be configuring as requirement.
- Reservation charging, schedule charging
- Real time power regulation with smart temperature sensor
- OTA upgrade, Dialog and Troubleshooting

Scenario

- The Product is designed for CCS2, CHAdeMO and Type2EV charging requirement, and suitable for public parking lots, scenic spot parking lots, company parking lots and bus stations.

Basic parameters						
Parameters	Model	CL5830-C08A	CL5830-C08B	CL5830-C08C	CL5830-C08D	CL5830-C08E
Input	Power supply	3P+N+PE				
	Voltage	400VAC±10%				
	Max current	340A				
	Frequency	45~65Hz				
Output	Voltage	CCS2/GB: 150~1000VDC; CHAdeMO: 500VDC; Type2: 360~440VAC				
	Max current	CCS2: 200A; CHAdeMO: 125A; Type2: 32A; GB: 250A				
	Rated power	CCS2:60~180kW / CHAdeMO:30~60kW / Type2:22kWGB:60~180kW				
User interface	Charge plug	CCS2+CHAdeMO+Type2	CCS2+CCS2+Type2	CCS2+CHAdeMO	CCS2+CCS2	CCS2+GB
	Cable length	5 meter (Optional)				
	Enclosure	Galvanized Steel				
	LED indicator	Green/Yellow/Red				
	LCD display	7" Color Touchable LCD				
	RFID card reader	Non-contact (ISO/IEC14443 A)				
	POS terminal	Optional				
	Start method	QR-code/ Card/ APP				
Communication	Communication Interface	Ethernet/4G				
	Protocol	OCPP1.6J/2.0J(Optional)				
Electrical Performance	Efficiency	≥95% (Half load and above)				
	Power factor	≥0.98 (Rated load)				
	Harmonic distortion rate	≤5%(Half load and above)				
	Ripple coefficient	≤1% (Peak to peak)				
Safety	Energy Meter	AC: MID; DC: PTB (optional)				
	Emergency stop	Yes				
	RCD	Type A				
	Protection grade	IP54 and IK10				
	Electrical protection	Over-current, Leakage, Short Circuit, Grounding, Lightning, Under-voltage,Over-voltage and Over-temperature				
	Certification	CE、CB、UKCA、AU、NZ				
Working environment	Standard	EN/IEC 61851-1,EN/IEC 61851-23,IEC 61851-24,EN/IEC 61851-21-1				
	Installation	Floor mounted				
	Cooling	Fan cooling				
	Noise	≤65dB				
	Temperature range	Working at -25℃~+50℃ ; Storage at-40℃~+70℃				
	Working humidity	5%~95% (Non-condensation)				
	Altitude	≤2000m				
Package	Product size	850*850*1800mm (W*D*H)				
	Package size	1186*966*2034mm (L*W*H)				
	N. W. (no module)	324kg	324kg	318kg	318kg	318kg
	G. W. (no module)	418kg	418kg	412kg	412kg	412kg
	Packaging material	Wooden box				
Others	Warranty	2 years				

CL5870-A01 20kW Wall Mounted DC Charger

Main function

- QR-code/Card/Plug and Charge
- OCPP1.6J/2.0J(Optional)
- PTB certification/On-board metering
- Ethernet/4G(Optional)

★ Characteristic

- Constant power output between 300~1000V
- With breathing lamp, indicate standby, charging and various common fault states
- Support online operation and management, real-time monitoring of equipment status, customized tariff table
- Reservation charging, schedule charging
- Auto adjust run-time power with smart temperature sensors
- OTA upgrade, Dialog and Troubleshooting
- International Protection grade 54

Scenario

- Designed for commercial buildings, apartment and office buildings that have the requirement of DC EVSE.



Basic parameters			
Parameters	Model	CL5870-A01D	CL5870-A01E
Input	Power supply	3P+N+PE	
	Voltage	400VAC±15%	
	Max current	36A	
	Frequency	45~65Hz	
Output	Voltage	150~1000V DC	
	Max current	66A	
	Rated power	20kW	
User interface	Charge plug	CCS1	CCS2
	Cable length	5 meter (Optional)	
	Enclosure	Galvanized Steel	
	LED indicator	Green/Yellow/Red/Blue	
	RFID card reader	Non-contact (ISO/IEC14443 A)	
	Start method	QR-code/ Card/ Plug and Charge	
Communication	Local interface	RS 485 / BLE 5.0(Optional)	
	Up-line interface	Ethernet/4G(Optional)	
	Protocol	OCPP1.6J/2.0J(Optional)	
Electrical Performance	Efficiency	≥95% (Half load and above)	
	Power factor	≥0.98 (Rated load)	
	Total harmonic distortion rate	≤5%(Half load and above)	
	Ripple coefficient	≤1% (Peak to peak)	
Safety	Energy Meter	DC : PTB (optional)	
	Emergency stop	Yes	
	RCD	Type A	
	Protection grade	IP54	
	Anti-collision grade	IK10	
	Electrical protection	Over-current, Leakage, Short Circuit, Grounding, Lightning, Under-voltage, Over-voltage and Over-temperature	
	Standard	EN/IEC 61851-1:2017,EN/IEC 61851-23:2014	
Working environment	Installation	Wall mounted/ Ground standing (Optional with pedestal)	
	Cooling	Fan cooling	
	Noise	≤65dB	
	Working temperature	-30℃~+50℃	
	Working humidity	5%~95% (Non-condensation)	
	Storage temperature	-40℃~+70℃	
	Altitude	≤2000m	
Package	Product size	430*210*650mm (W*D*H)	
	Package size	916*646*408mm (L*W*H)	
	Net weight (include module)	35kg	
	Gross weight (include module)	47kg	
	Packaging material	Wooden box	
Others	Warranty	2 years	

CL5890-B08/100kW Integrated DC EVSE(KC)

Main function

- 100kW,CCS1(Single/Dual plug),200A
- QR-code/ Card/APP
- 10" Color touchable LCD
- Auto power distribution between DC plugs charging
- OTA upgrade, Dialog and Troubleshooting
- Reservation charging, schedule charging
- Multiple protections includes Leakage, Over-voltage, Under-voltage, Over-current, Short circuit, Lightning protection, Anti-reverse connection, Emergency stop, Insulation detection, Adhesion detection and other protections.
- Eth/4G, BLE

★ Characteristic

- Constant power output between 300~1000V
- Smart power distribution, single module fault will not affect others
- With smart temperature sensor, adjusting fan speed
- 10" Color touchable LCD
- OTA upgrade, Dialog and Troubleshooting
- Eth, 4G、BLE
- IP54
- KC certification

Scenario

- Designed for public parking lots, commercial buildings, community properties and household which have the requirement of EV charger, support wall mounted/ floor mounted installation.



Basic parameters			
Parameters	Model	CL5890-B08A	CL5890-A08A
Input	Rated voltage	400 V	
	Input cable	3 phase 5 lines	
	Frequency	60±1Hz	
Output	Output voltage	150 ~ 1000 V	
	Maximum current	200 A*2	200A
	Rate power	100 kW	
	Charge connector	CCS1(Dual plug)	CCS1(Single plug)
User interface	Enclosure	Galvanized	
	LED indicator	Green/Yellow/Red	
	LCD display	10" color touch screen	
	RFID reader	Optional	
	Start mode	RFID card/APP/Password	
	Emergency stop	Yes	
Communication	Wi-Fi	Optional	
	Ethernet	Yes	
	3G/4G	Optional	
	OCPP	OCPP1.6J/2.0J(Optional)	
	Efficiency	≥95%	
Electrical performance	Power factor	≥0.98 @ 50%~100% loading	
	THD	≤5% @ 50%~100% loading	
	Ripple factor	≤±0.5%	
	Energy meter	DC Meter	
Safety	RCD	Type A	
	Protection grade	IP54/IK10	
	Electrical protection	Over current protection,Residual current protection,Short circuit protection,Ground protection,Surge protection,Over/Under voltage protection,Over temperature protection	
	EMC level	CLASS A	
	Certification	KC	
	Cooling method	Fan cooling	
	Work temperature	-25℃ ~ + 50℃	
Environment	Work humidity	5% ~ 95% (Non-condensation)	
	Work altitude	≤2000m	
	Weight	360kg	
	Product dimension	800mm (W) × 750mm (D) × 1,600m (H)	