

Electric Vehicle Charging Solutions

Product Catalog
-NA-V1.0 2024



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Electric Vehicle Charging Solutions

Portable EV Charger-AP Series



AP001



AC-Portable

- ✓ Plug & Charge
- ✓ Suitable for Level 1 & 2
- ✓ Current output ranging from 10 to 40 amps
- ✓ Remote Firmware Updates



AP002



AC-Portable

- ✓ APP operation
- ✓ Suitable for Level 1 & 2
- ✓ Current output ranging from 10 to 40 amps
- ✓ Remote Firmware Updates



Bluetooth



Wi-Fi



Tuya

AP001 & AP002

Power Specification				
Input Voltage	Single phase 110-240 Vac 60 Hz			
Output Current (A)	10	16	32	40
Output Power (KW)	2.4	3.8	7	9
Charging Time Reference (hrs.)*	19.5	12.3	6.7	5.2
Other Specification				
Charging Interface	SAE J1772 (Type 1) or NACS (Tesla)			
IP rating	Enclosure NEMA Type3, EV Charger NEMA Type 3R			
Charging Cable Length	18 ft.			
Operating Temperature	-22°F to 122°F (-30°C to 50°C)			
Standards	UL2594, UL 2231, NEC625 compliance			
Certificates	ETL, FCC, Energy Star Listed			

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Home Wallbox EV Charger-AW Series



AW001



AC Wallbox

- ✓ Plug & Charge, or RFID Start Charge, or APP operation
- ✓ SAE J1772 (Type 1) Connector
- ✓ 4.3-inch LCD Screen & LED Breathing Lamp
- ✓ Current output ranging from 32 to 50 amps



AW002



AC Wallbox

- ✓ RFID Start Charge, or APP operation
- ✓ Remote Firmware Updates
- ✓ SAE J1772 (Type 1), or NACS (Tesla) connector
- ✓ Current output ranging from 32 to 80 amps
- ✓ 4.3-inch LCD Screen & LED Breathing Lamp



Bluetooth



Wi-Fi



Tuya

AW001 & AW002

Power Specification				
Input Voltage	Single phase 208-240 Vac 60 Hz			
Output Current (A)	32	40	48	80 (only for model AW002)
Output Power (KW)	7	9	11	20
Charging Time Reference (hrs.)*	6.7	5.2	4.3	2.3

Other Specification	
Ingress Protection	NEMA Type 4
Charging Cable Length	18 ft.
Enclosure Mounting	Wall Mount/Pedestal-Mount
Standards	NEC625, UL2594, UL 2231 compliance
Operating Temperature	-13 °F to 113 °F (-25°C to 45°C)

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Home Wallbox EV Charger-AW Series



AW003



AC Wallbox

- ✓ **RFID Start Charge, or APP operation**
- ✓ **Compact appearance design**
- ✓ **Load balance for option**
- ✓ **Real-time Fault Monitor, Remote Diagnosis**



Bluetooth



Wi-Fi

AW003

Power Specification			
Input Voltage	Single phase 208-240 Vac 60 Hz		
Output Current (A)	32	40	48
Output Power (KW)	7	9	11
Charging Time Reference (hrs.)*	6.7	5.2	4.3

Other Specification	
Charging Interface	SAE J1772 (Type 1)
Ingress Protection	NEMA Enclosure Type 3
Charging Cable Length	18 ft.
Enclosure Mounting	Wall mount/Pedestal-Mount
RCD (Leakage protection)	CCID20
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Standards	UL2594, UL2231-1, UL2231-2, UL2231.24 compliance
Certificates	ETL & FCC Listed

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Commercial EV Charger-AC Series



AC001



AC Commercial

- ✓ 5-inch LCD touchscreen
- ✓ OCPP 1.6J Fully Compliance
- ✓ RFID & various payment method*
- ✓ Real-time Fault Monitor, Remote Diagnosis



AC002



AC Commercial

- ✓ Dual plugs
- ✓ 5 Inch touch screen
- ✓ OCPP 1.6J fully compliance
- ✓ RFID & various payment method*
- ✓ Remote monitor & appointment & diagnosis & upgrade

AC001 & AC002

Power Specification						
Model	AC001			AC002		
Input Voltage	Single phase 208-240 Vac 60 Hz					
Output Current (A)	32	40	48	64	80	96
Output Power (KW)	7	9	11	2*7	2*9	2*11
Charging Time Reference (hrs.)*	6.7	5.2	4.3	3.3-6.7	2.6-5.2	2.1-4.3

Other Specification	
Charging Interface	SAE J1772
Ingress Protection	NEMA Type 3
Charging Cable Length	18 FT/5.5 m cable
RCD (Leakage protection)	CCID20
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Certificates	ETL & CE Listed

* POS machine: Visa, MasterCard(MC), American Express(Amex), Discover; APP: Cybersource, Stripe, Nayax, Payter.

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Commercial EV Charger-AC Series



AC003



AC Commercial

- ✓ 55-inch advertisement screen
- ✓ OCPP 1.6J Fully Compliance
- ✓ Support RFID & various payment method*
- ✓ Remote monitor & appointment & diagnosis & upgrade

AC003

Power Specification			
Input Voltage	Single phase 208-240 Vac 50-60Hz		
Output Current (A)	66A Max	82A Max	98A Max
Output Power (KW)	2*7	2*9	2*11
Charging Time Reference (hrs.)*	3.3-6.7	2.6-5.2	2.1-4.3

Other Specification	
Charging Interface	SAE J1772 (Type 1)
User Authentication	APP or RFID Card(ISO / IEC 14443 A, Mifare)
Network Interface	Ethernet, WIFI, 4G
Protocol	OCPP1.6J
User Interface	55-inch advertising display/Emergency Stop/LED indicator/RFID
IP rating	NEMA TYPE 3R
Charging Cable Length	18 FT/5.5 m cable
Enclosure Mounting	Floor Mount
RCD (Leakage protection)	Type B/CCID20
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Certificates	ETL, FCC, Energy Star Listed

* POS machine: Visa, MasterCard(MC), American Express(Amex), Discover; APP: Cybersource, Stripe, Nayax, Payter.

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Commercial EV Charger-DC Series



DC001



DC Commercial

- ✓ OCPP1.6J+
- ✓ Dynamic Load balance
- ✓ 10.4" Advertising Screen + 7-inch LCD Touch Screen
- ✓ Ethernet, WIFI, 4G
- ✓ Support RFID & various payment method*

DC001

Power Specification		
Input Voltage	Three phase 480 Vac 50-60Hz	
Output Current (A)	38	76
Output Power (KW)	1*30	2*30
Charging Time Reference (hrs.)*	1.6	0.8-1.6
Other Specification		
Charging Interface	CCS1	CCS1+CCS1
User Authentication	APP or RFID Card(ISO / IEC 14443 A, Mifare)	
Network Interface	Ethernet, WIFI, 4G	
Protocol	OCPP1.6J	
User Interface	10.4" Advertising Screen/7 Inch LCD Touch Screen/Emergency Stop Button/LED Indicator	
IP rating	TYPE 3R	
Charging Cable Length	18 FT/5.5 m cable	
Enclosure Mounting	Floor Mount	
RCD (Leakage protection)	CCID20	
Operating Temperature	-22°F to 122°F (-30°C to 50°C)	
Certificates	ETL	

* POS machine: Visa, MasterCard(MC), American Express(Amex), Discover; APP: Cybersource, Stripe, Nayax, Payter.

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

Electric Vehicle Charging Solutions

Commercial EV Charger-DC Series



DC002



DC Commercial

- ✓ Dynamic Load Balancing
- ✓ 7-inch LCD Touch-screen
- ✓ Support RFID & various payment method*
- ✓ Cable Management System

DC002

Power Specification	
Input Voltage	Three phase 480 Vac 50-60Hz
Output Current (A)	152-228
Output Power (KW)	120-180
Charging Time Reference (hrs.)*	0.3-0.4
Other Specification	
Charging Interface	CCS1+CCS1
User Authentication	APP or RFID Card (ISO / IEC 14443 A, Mifare), POS Machine (OPT)
Network Interface	Ethernet, WIFI, 4G
Protocol	OCPP1.6J
User Interface	21.5" Advertising Screen/10.1" Inch LCD Touch Screen/Emergency Stop Button/LED Indicator
IP rating	TYPE 3R
Charging Cable Length	18 FT/5.5 m cable
Enclosure Mounting	Floor Mount
RCD (Leakage protection)	CCID20
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Certificates	ETL

* POS machine: Visa, MasterCard(MC), American Express(Amex), Discover; APP: Cybersource, Stripe, Nayax, Payter.

* To charge a Tesla model 3 from 20% to 80% SoC - 46.8kWh.

CEDARS EV CHARGER

www.cedarsev.com

China Office: F/22, Treasure Plaza, No. 539
Huoju Street, Nanchang, Jiangxi Province,
P. R. China; 330096

Email: sharon@cedarsev.com
Cellphone/WhatsApp: +86 150 7087 1195

US. Office: 7776 E Main Street, #500,
Frisco, TX, 75033

Email: Clark@cedarsev.com
Cellphone: +1 469 891 9978