



EV CHARGER / 11 KW



CARDLESS
UNLOCK



EMS



PAYMENT

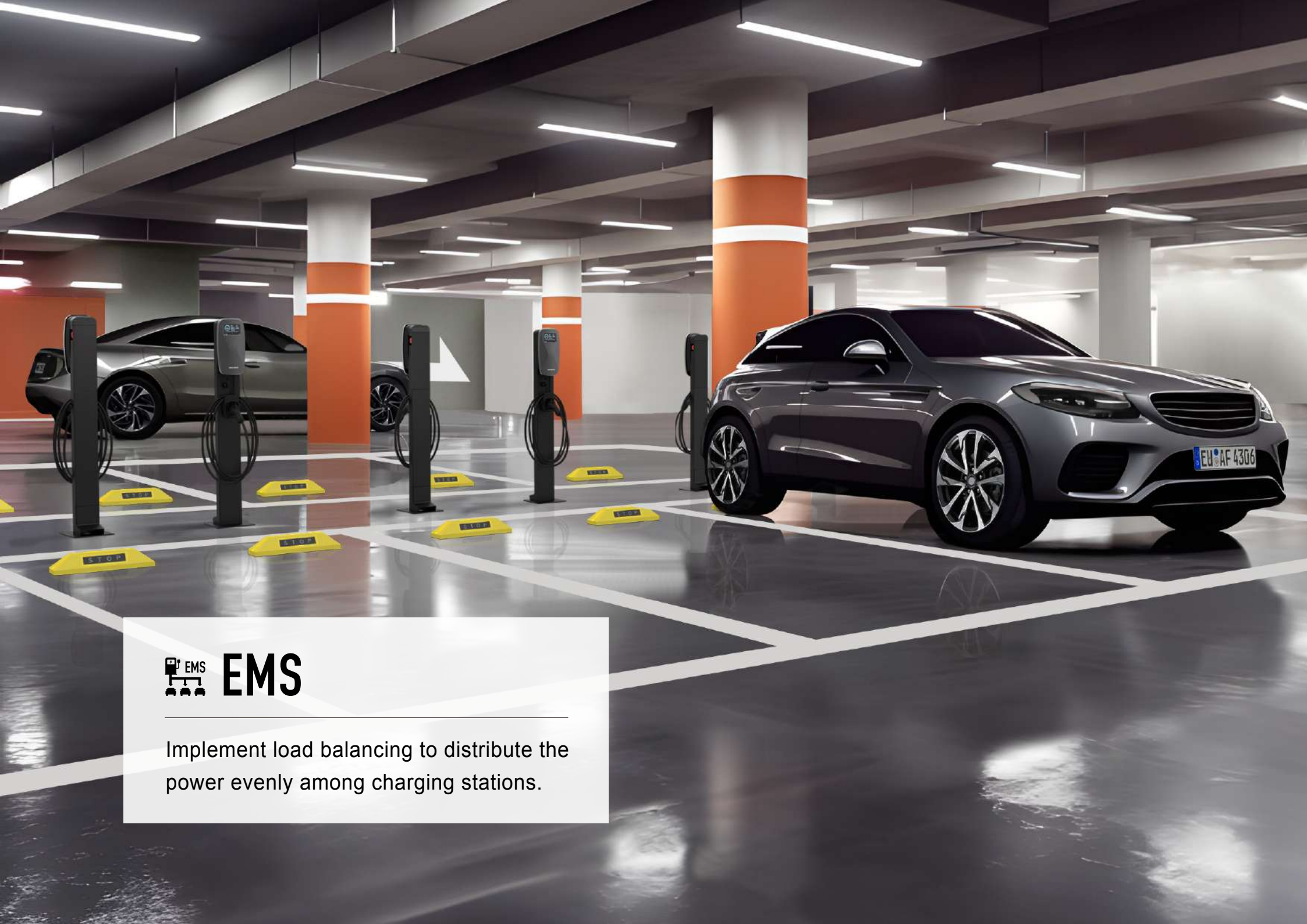


EV
CHARGING



CARDLESS UNLOCK

Unlocking or accessing a device without the use of physical access cards.



EMS

Implement load balancing to distribute the power evenly among charging stations.

FUNCTION



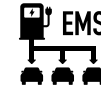
**EV CHARGER
AM-P-02A**



**EV CHARGER
AM-P-03A**



CARDLESS UNLOCK is a method of unlocking or accessing a system or device without the use of physical access cards.



ENERGY MANAGEMENT SYSTEM (EMS) implement load balancing to distribute the power evenly among charging stations, when multiple EVs are charging simultaneously, Users may schedule charging sessions.



PAYMENT refers to the process of paying for the use of parking spaces in a designated area, including on-street parking spaces and public parking lot.



EV CHARGING refers to the process of supplying electrical energy to electric vehicles (EVs) to recharge their batteries.

SPECIFICATION



**EV CHARGER
AM-P-02A**



**EV CHARGER
AM-P-03A**

SIZE	AM-P-02A	AM-P-03A
Dimension (WxDxH)	18 X 10 X 38 cm	18 X 10 X 38 cm
Charging Cable Length	5.3 m	

DISPLAY PANEL		
Resolution	800 X 600 pix	No LCD Panel
Brightness	300 nits	No LCD Panel
Dimension	10.8 X 8.5 cm	No LCD Panel

REGULATION	
Charging Connector	SAE J1772 Type 1
Certification Compliance	CNS 15511-1 (Safety), CNS 15511-21-2 (EMC)

COMMUNICATION	
Protocol	OCPP 1.6 JSON

SPECIFICATION



**EV CHARGER
AM-P-02A**



**EV CHARGER
AM-P-03A**

PROTECTION	AM-P-02A	AM-P-03A
Leakage Current Protection	RCD Type A (30mA)	
Input	UVP, OVP, Surge protection, Ground fault	
Output	OCP, Control pilot fault, Residual current protection	
Internal	Over temperature, relay welding detection, MCU error detection	
ELECTRICAL		
AC Input Rating	Single phase, 220+/-10%, VAC, 50 / 60Hz	
Wire Connection	L1 / L2 / PE or L / N / PE	
Max. Input Current	48A	
AC Output Power	11.5KW (Max.)	
Network Interface	WiFi / ethernet	

SPECIFICATION



**EV CHARGER
AM-P-02A**



**EV CHARGER
AM-P-03A**

ENVIRONMENT	AM-P-02A	AM-P-03A
Operation Temperature	-30°C ~ +50°C	
Storage Temperature	-40°C ~ +80°C	
Humidity	< 95% relative humidity, non-condensing	
Altitude	< 2000m	
Cooling System	Passive	
CAMERA		
Camera Specification	No Camera	
License Plate Recognition Accuracy	No Camera	
Coverage	No Camera	

HARDWARE

	ITEM	DESCRIPTION	AM-P-02A (DISPLAY)	AM-P-03A
STANDARD	Ethernet Network Access	Ethernet internet access.	V	V
	WiFi Network Access	WiFi internet access.	V	V
	LED Indication	8-Colors LED indication for specific condition.	V	V
	5" LCD Screen	5" colored LED display.	V	—
	7" LCD Screen	7" colored LED display with touch input.	—	—
	2MP Camera Module	2MP camera module for automatic license plate recognition.	—	—
	NFC-based Charging	NFC-based charging.	V	V

V Standard © Optional — Not available

HARDWARE

	ITEM	DESCRIPTION	AM-P-02A (DISPLAY)	AM-P-03A
STANDARD	Operational Temperature Monitoring	Internal temperature measurement.	—	—
	AC Power Supply	AC power supply.	V	V
	J1772 Charge Plug (5m wire)	SAE J1772 AC charge plug (5m wire).	V	V
	Aluminum Alloy Casing	High-strength aluminum alloy casing / passed IK10 impact test.	—	—
OPTIONAL	J1772 Charge Plug (7m wire)	SAE J1772 AC charge plug (7m wire).	⊙	⊙
	Holster	Holster for charge plug.	⊙	⊙
	Enclosure Wrapping	The casing can be customized with patterns according to requirements.	⊙	⊙

V Standard ⊙ Optional — Not available

SOFTWARE

	ITEM	DESCRIPTION	AM-P-02A (DISPLAY)	AM-P-03A
STANDARD	Device API	Integration of the device with customer systems via API.	V	V
	Charger API	Device health, charging control, charging progress.	V	V
	All-In-One Charger API	Device health, live video, vehicle entry and exit information, charging control, charging progress, fee inquiry, payment results.	—	—
OPTIONAL	Frontend LPR	Device with built-in LPR engine for vehicle entry and exit determination.	—	—
	OTA Updates	Over-the-air firmware updates.	©	©
	Cyclic Recording	Video recording storage, accessible for retrieval at any time.	—	—
	Smoke and Flame Detection	Automatic alerting for smoke and flames.	—	—

V Standard

© Optional

— Not available

SOFTWARE

	ITEM	DESCRIPTION	AM-P-02A (DISPLAY)	AM-P-03A
OPTIONAL	Sentry Mode	Proactive notification of anomalies.	—	—
	Charging Station Management System	Manage charging stations, charging profiles, charging records, etc.	⊙	⊙
	CSMS - Member Module	Member management.	⊙	⊙
	CSMS - Billing Module	Configure billing rules & cost reports.	⊙	⊙
	CSMS - Smart Charging Module	Integrated LPR for charging locking feature.	⊙	⊙
	CSMS - Charging API	Offering charging APIs for customers to develop their own systems.	⊙	⊙
	CSMS - Billing API	Offering billing APIs for customers to develop their own systems.	⊙	⊙

V Standard

⊙ Optional

— Not available

SOFTWARE

	ITEM	DESCRIPTION	AM-P-02A (DISPLAY)	AM-P-03A
OPTIONAL	CSMS - Web	Providing a customized website for charging service usage.	⊙	⊙
	CSMS - Web - Billing Module	Integrating third-party payment gateway for online payments.	⊙	⊙
	CSMS - Web - E-Invoice Module	Integrating electronic invoice issuance service.	⊙	⊙
	CSMS - APP	Providing a customized app for charging service usage.	⊙	⊙
	Advertising management system	Manage Ad content on devices.	—	—

V Standard

⊙ Optional

— Not available