Samobi
POWERED BY OKSA ENERGY

SAMOBI pro smart - ocpp

SAM-EVC07-002C-001
SAM-EVC11-002C-001
SAM-EVC22-002C-001

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OKSA ENERGY

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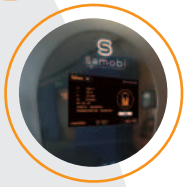
Product overview

A charger comes with high-integrated smart board and communication function, the wallbox designed meet IP65, can be used indoor and outdoor. It support OCPP 1.6J protocol, and RFID. Owners can collect all data in platform and manage the charger, master all the status of the charger. To realize the real smart charging.

Product features

Solid design wallbox

Meet IP65 & IK10 standard by lab test



5 inch HD touch screen

Easiest user interaction and real-time status view

Indicator light

Showing real time wallbox status

RFID Sensor

Identification & payment solution

Access hole

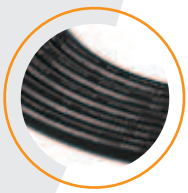
For easiest maintenance

Waterproof port

For the best security

Emergency button

Press to cut off the power immediately



TPU cable

4.5 meter cable with excellent durability and top cold resistance at -30℃

TUV approved connector

Completed shaped and easy hold； Silver plated terminals to minimize wear and tear on EV charging socket

Designed for future smart charging network

- Timeless and classic design fits in urban space and architecture.
- Compatible with full smart functions under OCPP 1.6 J-SON
- Authorization for use on a mobile application or a cloud platform to monitor the charger operation remotely
- Connecting to the network by 4G,WIFI and Ethernet
- Dynamic power control with Teison load balancer
- Built-in MID certificated meter
- Independent Access hole, wiring entrance and rail-mounted components for most effective installation and maintenance.
- Protecting the life of car battery with the most stable charging process.

Highest safety

- PCV 0 housing with 2.0~3.0mm thick exudes robustness and protects inside components from external influences.
- The housing is made from materials specially developed for top heat dissipation and with flame retardant coating.
- Completely meets all requirements of the CE applicable standards.
- AC + DC faults detection
- Real-time monitoring for heat and all instabilities during charging process

Parameter

Specification			
Model	SAM-EVC07-002C-001	SAM-EVC11-002C-001	SAM-EVC22-002C-001
Electrical Properties			
Voltage	230V AC ±10%	380V AC ±10%	380V AC ±10%
Output Current	32A	16A	32A
Frequency	50/60Hz	50/60Hz	50/60Hz
Output Power	7kw	11kw	22kw
Residual current protection	TypeB（AC 30mA+DC 6mA）		
Design			
Emergency Stop Button	Yes		
Display	5" LCD touch screen		
RFID Function	5pcs cards		
Charging Outlet	4.5M charging cable		
Power incoming line	0.5M		
Housing Material	PCV0 for outdoor		
Front Panel	PC		
Installation Method	Wall-mount/Floor-stand		
Network Gateway	Wifi		
Communication Protocol	OCPP1.6(J-SON)		
Safety Standard	EN IEC 61851-1:2019; IEC 61851-1:2017; EN IEC 61851-21-2:2021; EN IEC 61000-6-1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 61000-6-4:2019; ETSI EN 300 328 V2.2.2:2019; ETSI EN 300 330 V2.1.1:2017; ETSI EN 301 489-1 V2.2.3:2019; ETSI EN 301 489-3 V2.1.1:2019; ETSI EN 301 489-17 V3.2.4:2020; EN IEC 62311:2020		
Warranty	2 years		
Environmental Performance			
Protection Level	IP65		
Working Altitude	＜2000M		
Application Site	Indoor/Outdoor		
Working temperature	-30℃~+50℃		
Working humidity	5%~95%, No condensation		
Atmospheric pressure	80kPa~101kPa		
Packing Details			
Product Size	398*324*120mm	398*324*100mm	398*324*100mm
Product Weight	10KG	11KG	12KG
Optional Config			
Dynamic load balancing	RS485 meter or local junction box （optinal）		
Energy Meter	MID certified		
Network Gateway	Ethernet/4G		

Product size and packaging

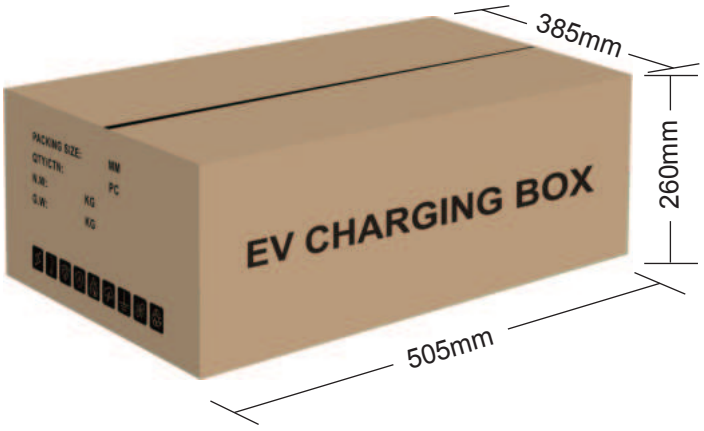
Product size: 398*324*120 mm

Product gross weight: 14KG

Package:

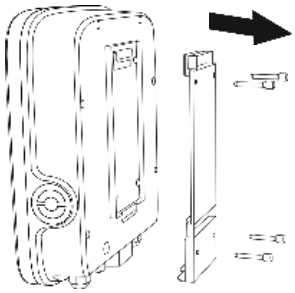
505*385*260mm

External packing: carton box&wood pallet

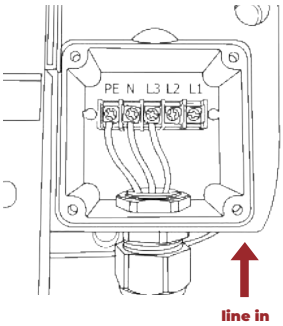


Product installation

Pls kindly check the manual before using.

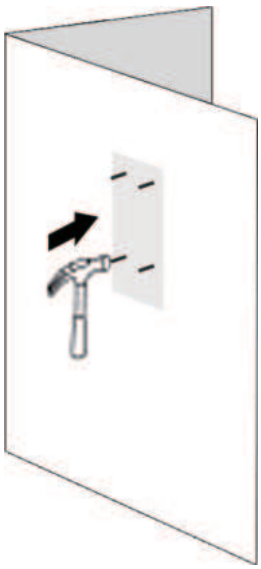


1. remove the metal plate on the back of the wallbox (as shown on picture), organise and secure the incoming cables of the wallbox.

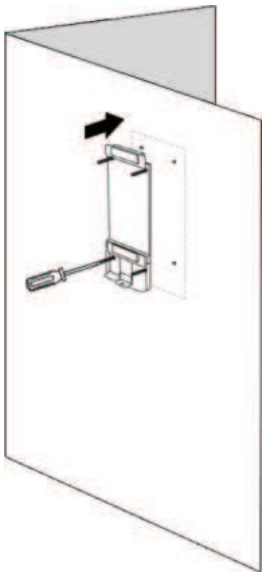


2. Remove the cover and connect incoming power lines to the wallbox

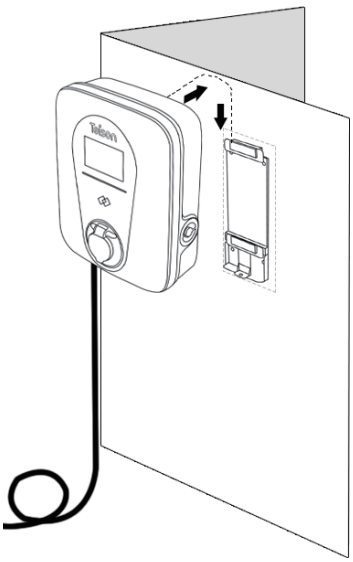
3. Drill suitable holes in the wall using an electric drill



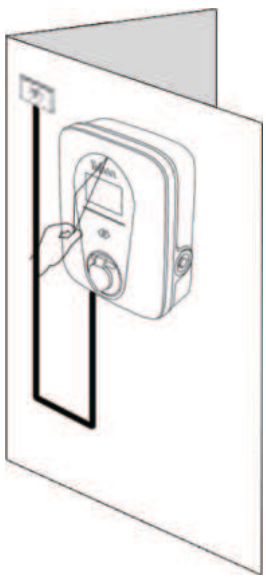
4. Tap the sleeve into the drilled holes



5. Fix the metal plate to the wall with screws



6. mount the wallbox on the plate and tighten the screws at the plate bottom.



7. Remove the protective film from the front panel to start using the product.

Charging instruction

Follow the prompt operation and simply tap on the touch screen. The process can be summarized as follows

Touch the screen to enter the Starting page.

Plug the cable, and proceed to the next step.

Scan QR code or swipe the card to enter the start charging.

After swipe card, the screen shows the result.

When charging, the screen shows the energy , charging time , voltage and current.

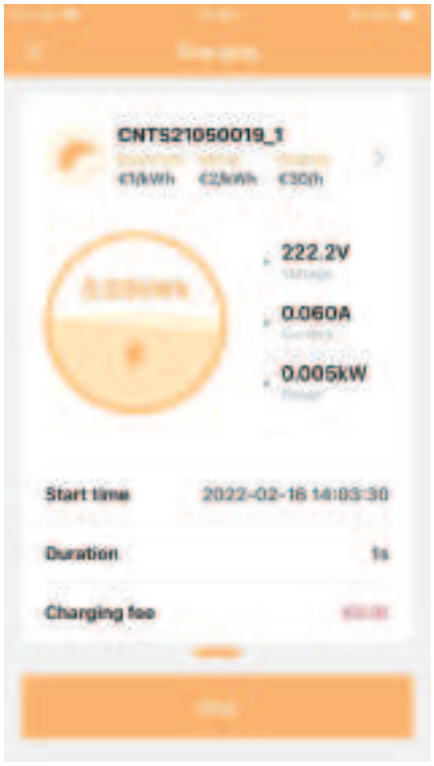
Users can choose two ways to stop charging:
1.Users swipe the card again to end.
2.Users stop charging by the App.

APP charge

Register your information and login

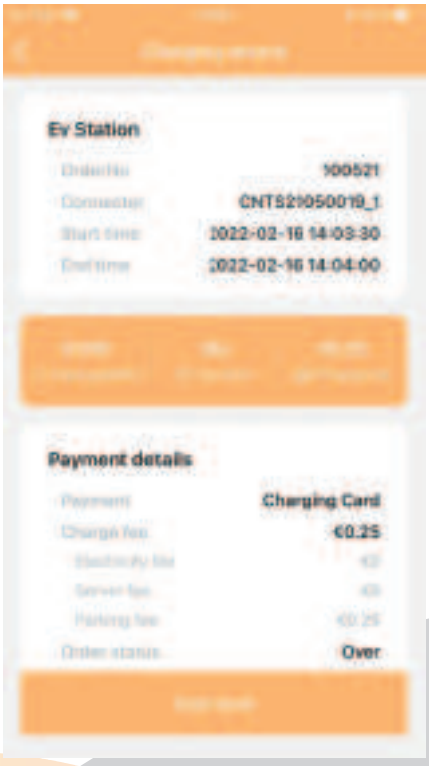
Scan the code when charging

Choose charging mode to charge



Charging status

Check your account and bill information



LCD display

POWER
Blue light normally on

CONNECT
Green light normally on

CHARGE
Green light breathing flashing

FAULT
The red light flashing

Our case

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