



# CHARGERS & CABLES FOR ELECTRIC VEHICLE

**100% PERSONALIZED**

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# PRODUCTS

**01** CHARGING POINTS

**02** CHARGING CABLES

**03** PORTABLE CHARGERS

**04** ACCESSORIES

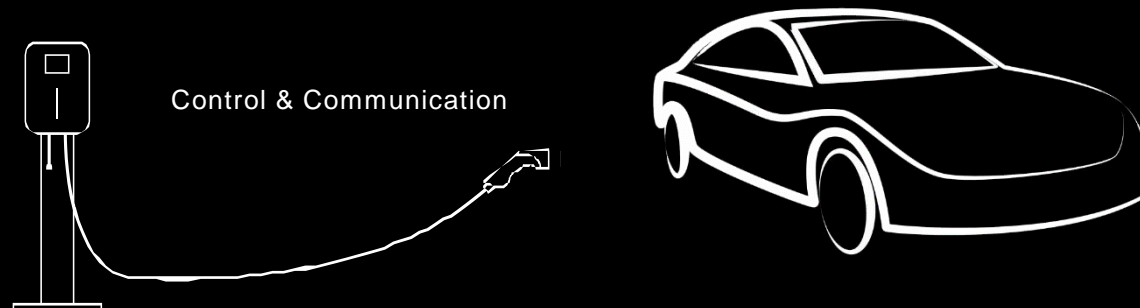


# 01

## CHARGING POINTS

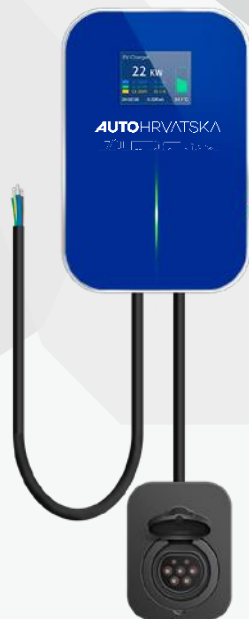
EV charging point, also known as Level 2 charger or Mode 3 charger is the most popular charging solution for residential and public use.

More than 60 colors and finishes available. See the color palette





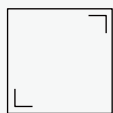
# PERSONALIZED CHARGING POINT



Model: SC20-BA



Model: SC20-BC



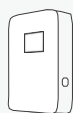
LCD



LED Flash



Button Switch



PC-ABS Material

## PRODUCT ADVANTAGES

- Colorful LCD display: shows the charging status like charging time, voltage, power consumption etc.
- Intelligent chip: automatically fix the non-hardware faults during charging.
- Easy installation: only takes few steps to mount the charger on wall, no complicated wiring process.

## OPTIONAL MODELS

- SC20-BA-7.4KW (32A 1phase)
- SC20-BA-22KW (32A 3phase)
- SC20-BC-7.4KW (32A 1phase)
- SC20-BC-22KW (32A 3phase)

## Model SC20

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.4kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-2, SAE J1772

### Protection

Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

### Function

Ethernet/WIFI/4G/Bluetooth	Optional
LCD	3.5-inch color
RCD	Type A / type A+6mA DC
LED Indicator light	✓
Intelligent power adjustment	✓
RFID	Optional

### Working environment

Protection degree	IP66
Environment temperature	-40°C ~ +75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumpton	<8W

### Mechanical

Dimension (W/H/D)	295/195/65mm
Weight	6KG-8KG

### Mounting Accessories

Wall-mounting bracket	✓
Ground-mounting pole	Optional



# PERSONALIZED CHARGING POINT

RFID card version



RFID



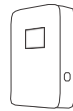
LCD



LED Flash



Emergency Stop



PC-ABS Material

## PRODUCT ADVANTAGES

- RFID card to start/stop charging, prevent unauthorized people to use your charging point.
- Suitable for both indoor and outdoor charging.
- Easy operation and no money involved during charging process.
- More than 60 colors and finishes available.

## Model SC20-RFID

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.4kW(1 Phase) / 22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-2, SAE J1772

Protection	
Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/WIFI/4G/Bluetooth	Optional
LCD	3.5-inch color display
RCD	Type A / Type A+6mA DC
LED Indicator light	✓
Intelligent power adjustment	✓
RFID	✓

Working environment	
Protection degree	IP66
Environment temperature	-40°C ~ +75 °C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (W/H/D)	295/195/65mm
Weight	6KG~8KG

Mounting Accessories	
Wall-mounting bracket	✓
Ground-mounting pole	Optional



# PERSONALIZED CHARGING POINT

## APP version



**Charging Time Setting**  
Freely set the charging time and duration

**Charging History Record**  
Query charging history anytime, anywhere

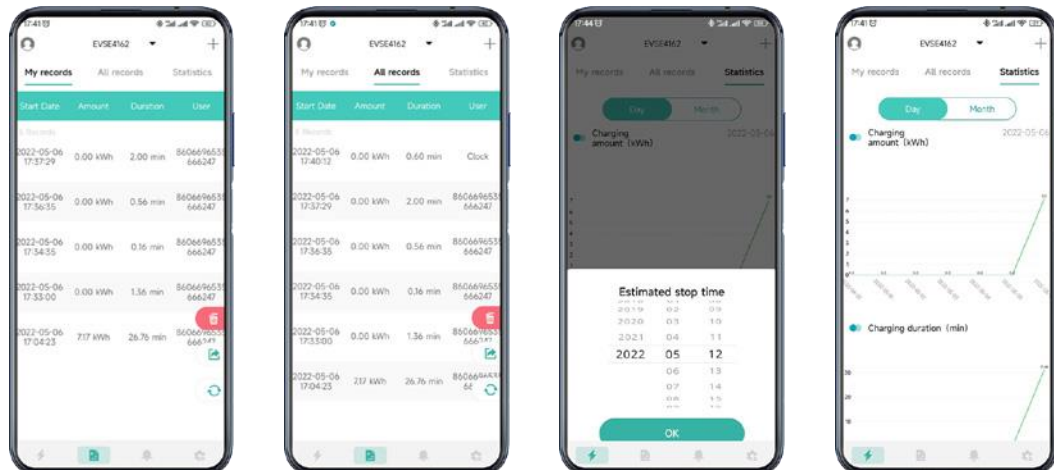
**Remote Control by APP**  
start or stop charging via Bluetooth

**Firmware Update**  
Make app version upgrades



## HISTORY RECORD

Check your charging history documents anytime.



## Model SC20-APP

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.4kW (1 Phase)/22kW (3 Phase)
Max. output current	32A (adjustable with the app)
Charging interface type	IEC 62196-2, SAE J1772

### Protection

Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

### Function

Bluetooth	✓
LCD	3.5-inch color display
RCD	Type A / Type A+6mA DC
LED Indicator light	✓
Intelligent power adjustment	✓
RFID	Optional

### Working environment

Protection degree	IP66
Environment temperature	-40°C ~ +75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

### Mechanical

Dimension (W/H/D)	295/195/65mm
Weight	6KG-8KG

### Mounting Accessories

Wall-mounting bracket	✓
Ground-mounting pole	Optional





# PERSONALIZED CHARGING POINT

OCPP1.6 version



OCPP is an open-source communication standard for EV charging points and network software companies. Simply put, any EV charging point that is OCPP-compliant can be configured to run any similarly OCPP-compliant software.

## PRODUCT ADVANTAGES

- **High compatibility:** You could choose different OCPP platform operators.
- **Software management:** Manage all EV charging hardware in one place.
- **Payment system:** Offer accurate charging data to back end for payment.
- **Customization:** Support multiple commands that allow you to customize different functions.

## Model SC20-OCPP

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.4kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	EN 62196-1, EN 62196-2

Protection	
Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Charging protocol-Hub	OCPP 1.6-J
LCD	3.5-inch color display
RCD	Type A / Type A+6mA DC
LED Indicator light	✓
Intelligent power adjustment	✓
RFID	✓
Ethernet	✓
4G	✓

Working environment	
Protection degree	IP66
Environment temperature	-30°C~+50°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (W/H/D)	295/195/65mm
Weight	6KG~8KG

Mounting Accessories	
Wall-mounting bracket	✓
Ground-mounting pole	Optional



CARBON FIBER



MORE THAN 60 COLORS AND FINISHES AVAILABLE. SEE THE COLOR PALETTE

**MATTE COLORS**



**MORE THAN 60 COLORS AND FINISHES AVAILABLE. SEE THE COLOR PALETTE**

BRIGHTNESS COLORS



MORE THAN 60 COLORS AND FINISHES AVAILABLE. SEE THE COLOR PALETTE

FLUOR COLORS



MORE THAN 60 COLORS AND FINISHES AVAILABLE. SEE THE COLOR PALETTE

# COLOR PALETTE



## Matte finish



## Gloss Finish



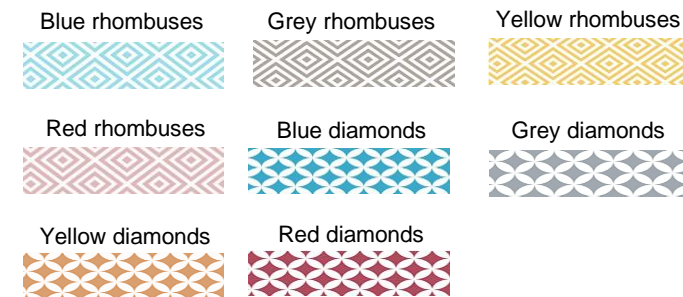
## Carbon fiber finish



## Fluor finish



## Geometric figures



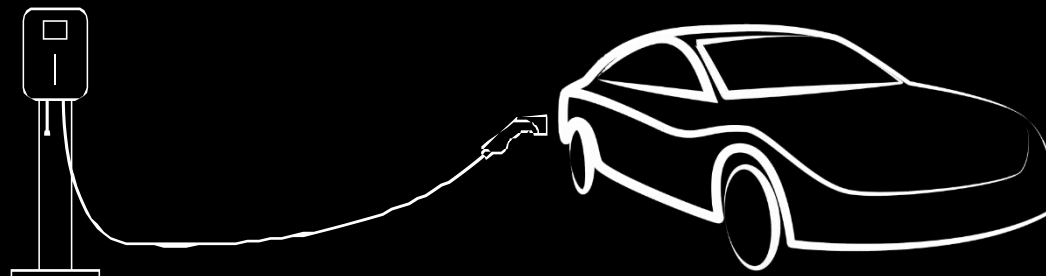
The color exposed to the sun can undergo changes after 3-7 years depending on the finish. Consult for more information.

To protect the color longer without degradation, it is recommended to install the charging points in areas where it does not suffer the direct and prolonged impact of the sun.

# 02

## CHARGING CABLES

EV charging cable is also called Mode 3 cable. Main function is to connect EV charging station and electric vehicle.  
It can be classified into Type 1 cable and Type 2 cable.





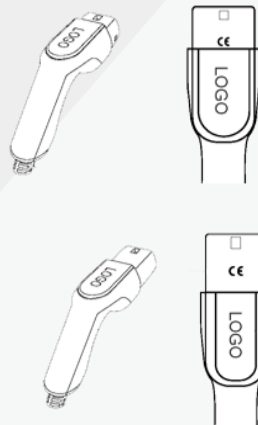


# PERSONALIZED CHARGING CABLE



**Type 2 to Type 2**

Meet IEC 62196-2 (Mennekes, Type 2) EU European standard



Personalized suitcase with your logo

Personalize it with your logo

## Mode 3 EV Charging Cable

Current	16A/32A
Voltage	AC 230V/400V
Contact Pin	Copper alloy, silver plated
Vibration Resistance	Meet JDQ53.3 requirements
Charging Standard	IEC 62196-2, SAE J1772

### Customization options

Cable length	✓
Cable color	✓
Plug color	✓
Logo printing	✓

### Working environment

Protection Degree	IP66
Withstand Voltage	2000V
Working Temperature	-25°C~55°C
Insulation Resistance	>1000MΩ
Terminal Temperature Rise	<50K
Service Life	>10000 times

### Mechanical

Length	5M (standard)
Color	Black (standard)
Cable / Cord / Wire	Straight / Coiled
Plug Material	ABS+PC Alloy
Cable Material	TPE/TPU
Weight	2.5KG~4KG

### Models

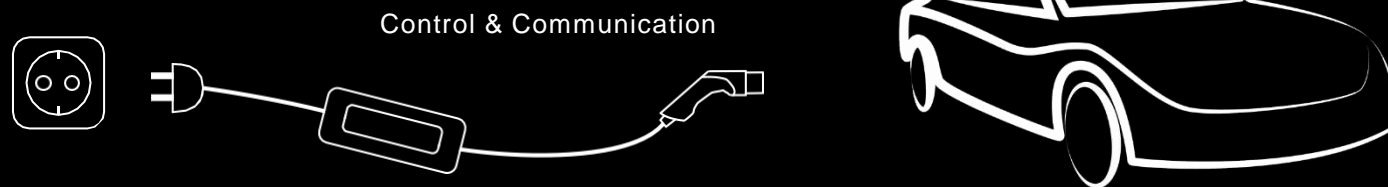
Type 2 cable ( IEC 62196-2)		
SC-PCC001	16A Single Phase	
SC-PCC002	16A Three Phase	
SC-PCC003	32A Single Phase	
SC-PCC004	32A Three Phase	



# 03

## PORTABLE CHARGERS

Portable charger is also known as Mode 2 charging cable.  
It's suitable for your garage and can help you to charge your car on the go.







EV CHARGER

TIME CURRENT DELAY

Palma

CE

450V/30A 1000000 INTERNATIONAL GROUP CO.,LTD. R00433628 2 PIG 1908 5V07EE-H 392

NSCL1057 450V/30A 1000000

# PERSONALIZED PORTABLE CHARGER

Low power (6A - 16A)

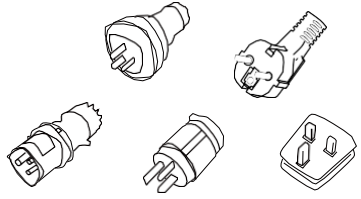


SC-PPC020

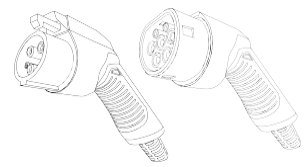


Personalized suitcase with your logo  
(OPTIONAL)

The indicator represents the ongoing current in a different color. Switch between 2 different output currents by pressing button; the default is 10/16A



AU/SCHUKO/CEE/NEMA/UK plug



Type1/Type2

### PRODUCT ADVANTAGES

- Great water-proof performance, suitable for all weather conditions.
- LED indicators showing charging status.
- Sturdy shell with IK10 protection.

## Model SC-PPC020

Input & Output	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	3.6kW
Max. output current	16A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

Protection	
Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	No
RCD	Type A
LED Indicator light	✓
Current adjusting	✓

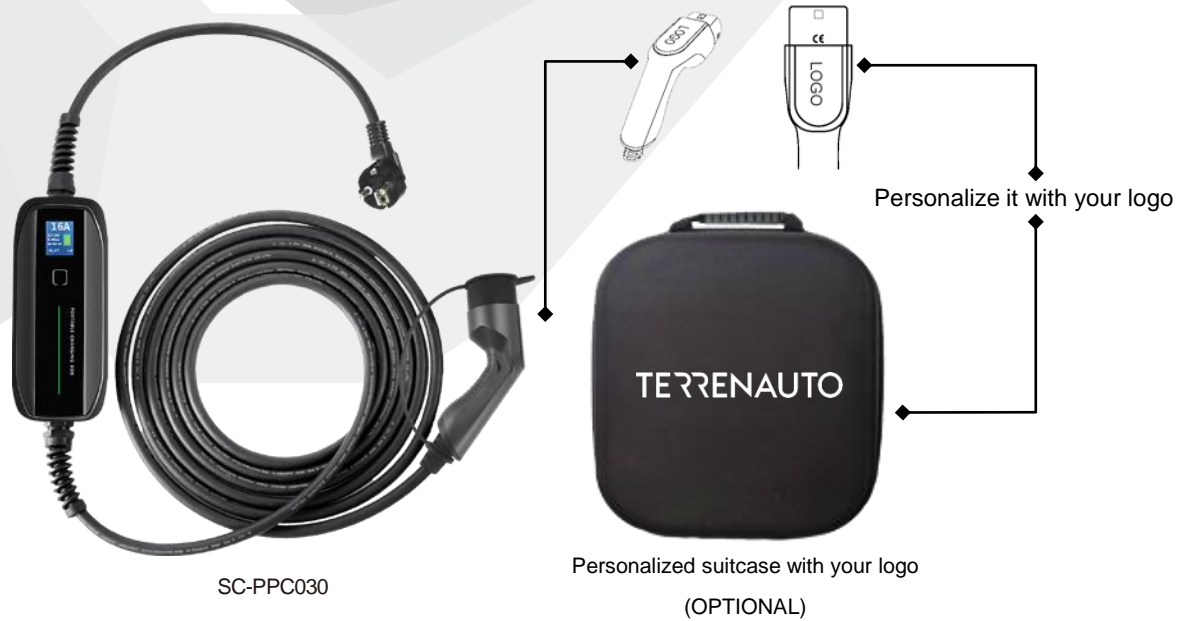
Working environment	
IP rating	IP66
Environment temperature	-40°C ~ +75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	245/105/48mm
Weight	2.5KG



# PERSONALIZED PORTABLE CHARGER

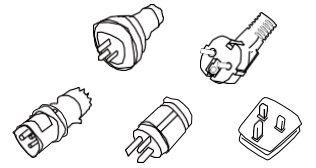
Low power with LCD screen (6A-16A)



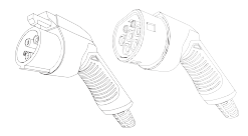
SC-PPC030

Personalized suitcase with your logo  
(OPTIONAL)

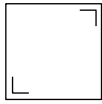
With built-in Type A RCD, our charger is suitable for all the markets. Optional 6mA DC RCD provides double protection when using our charger.



AU/SCHUKO/CEE/NEMA/UK plug



Type1/Type2



LCD



LED

## PRODUCT ADVANTAGES

- LCD display to monitor charging status easily, charging information at a glance.
- Max. 5 different currents adjustable, suitable for all homes.
- Modern design with large LCD display and flashing LED light belt.

## Model SC-PPC030

Input & Output	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	3.6kW
Max. output current	16A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

Protection	
Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	1.8-inch color
RCD	Type A / Type A+6mA DC
LED Indicator light	Rolling
Current adjusting	✓

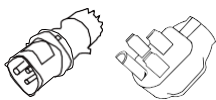
Working environment	
IP rating	IP66
Environment temperature	-40°C ~ +75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	249/105/55mm
Weight	3KG

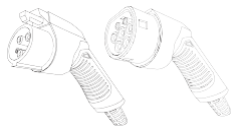


# PERSONALIZED PORTABLE CHARGER

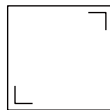
High power with LCD screen (6A - 40A)



CEE/NEMA plug



Type1/Type2



LCD



LED

## PRODUCT ADVANTAGES

- Higher power for a faster charging speed, max. 40amp.
- Large LCD to show real-time current, voltage and time etc.
- Safe use when working at a higher power with built-in intelligent chip.

## Model SC-PPC040

<b>Input &amp; Output</b>	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	8.8kW
Max. output current	40A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

<b>Protection</b>	
Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

<b>Function</b>	
Ethernet/WIFI/4G/Bluetooth	No
LCD	1.8-inch color
RCD	Type A
LED Indicator light	Blink (040) Rolling (041)
Current adjusting	✓

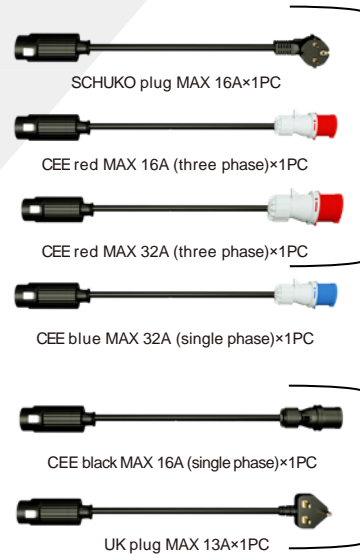
<b>Working environment</b>	
IP rating	IP66
Environment temperature	-40°C ~ +75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

<b>Mechanical</b>	
Dimension (L/W/D)	265/105/55mm
Weight	5KG



# PERSONALIZED PORTABLE CHARGER

## Three phase smart charger



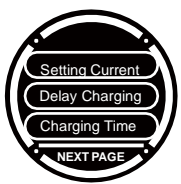
Pack 1  
Pack 2  
Optional

### DISPLAY DURING CHARGING

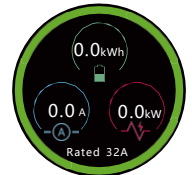
SC-PPC050



Boot interface



Main settings



During charging



Current switching



Personalize it with your logo

Personalized suitcase with your logo  
(OPTIONAL)

### PRODUCT ADVANTAGES

- Adjustable phase and current.
- Time setting and delay setting.
- Universal adapter with automatic recognition.  
(The charger will automatically recognize the adapter and the current limit accordingly)
- Built-in RCD Type A+6mA DC.

## Model SC-PPC050

Input / Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	1-phase up to 7.4kW (MAX 32A) 3-phase up to 16kW (MAX 24A)
Max. output current	32A for 1 phase/ 24A for 3
Standard	IEC 62752:2016

### Protection

Over voltage protection	✓
Under voltage protection	✓
Overload protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

### Function

Ethernet/WIFI/4G/Bluetooth	No
LCD	✓
RCD	Type A+6mA DC
LED Indicator light	✓
Intelligent power adjustment	✓

### Working environment

Protection degree	IP66
Environment temperature	-40°C ~ +70°C
Relative humidity	5%-95%
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

### Mechanical

Control box	300*66*86mm
Weight	12KG







# PERSONALIZED CHARGING CONNECTOR



**Type 2 Dummy Socket**  
Model: SC-DSHO



**Type 1 Dummy Socket**  
Model: SC-SAE



**Type 2 Dummy Socket**  
Model: SC-IEC



**IEC 62196-2 Female Plug**  
Model: SC-EVP001-F



**SAE J1772 Plug**  
Model: SC-EVP001-L



**IEC 62196-2 Male Plug**  
Model: SC-EVP001-M



**Type 1 Dummy Socket**  
Model: SC-DSHM



**Type 2 Dummy Socket**  
Model: SC-IECB



**Type 1 Inlet**  
Model: SC-EVSC001



**Type 1 to type 2 adaptor**  
Model: SC-EVSP005



**Type 2 Inlet**  
Model : SC-EVSC004



**Type 2 Outlet**  
Model: SC-EVSC003

## EV CHARGING PLUG

### Advantages

Easily withstand the weight of an EV	✓
Silver-plated plug terminals with great conductivity	✓
Dust Proof Compact Design	✓
Built-in temperature sensor for double protection	✓
Working life above 10,000 times	✓
Ergonomic Grip	✓

### Definition

Standards	Type 1 / Type 2
Regulations	SAE J1772 / IEC62196-2
Confection line end	On request

### Electrical Properties

Number of phases	1/3
Rated voltage for power contacts	230 V AC / 400 V AC
Rated current for power contacts	16 A / 32 A
Charging power	3.7kW / 7,4 kW / 11 kW / 22 kW
Resistor coding (between PE and PP)	680 Ω / 220 Ω
Number of power contacts	3 (L1, N, PE) / 5 (L1, L2, L3, N, PE)
Rated voltage for signal contacts	30 V AC
Rated current for signal contacts	2 A
Number of signal contacts	2 (CP, PP)

### Mechanical Properties

Mating cycles	> 10.000
Insertion force	< 100 N
Withdrawal	< 100 N

### Material

Material housing / handle area	ABS Plastic
Material mating face	ABS Plastic
Material protective cap	Rubber
Material contacts	Cu-Alloy
Material surface of contacts	Ag





For every product delivered we plant **1 tree in India**, that will absorb **1 ton of CO<sub>2</sub>** throughout their lifespan and will also produce **10 € in food** every year for needy families.





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