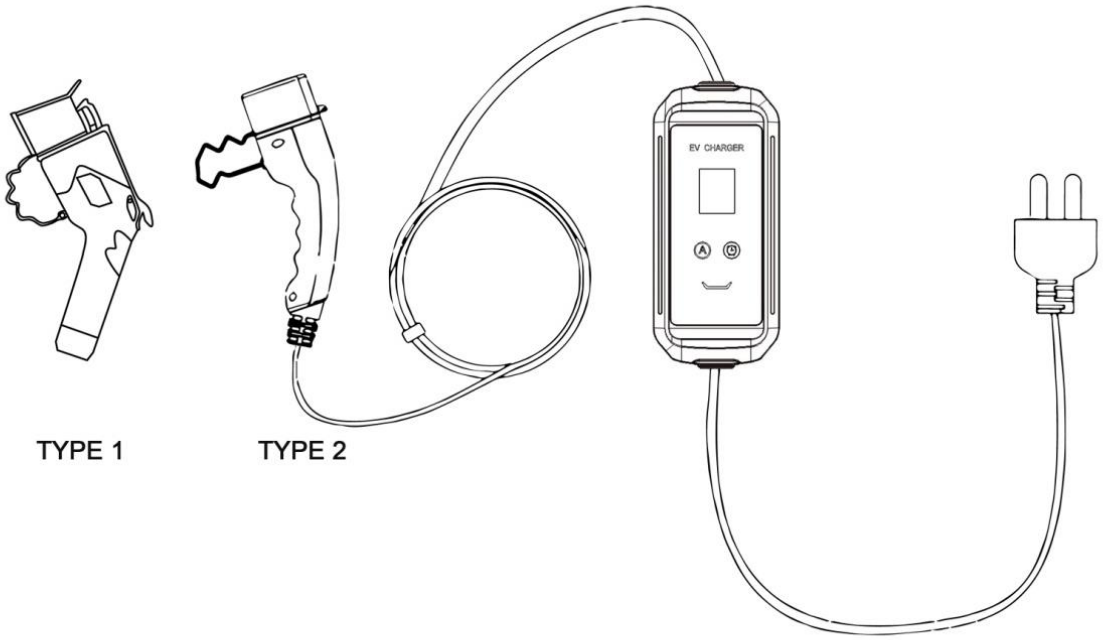
Proton



EV-CHARGER

User Guide

User Guide

EVSE Portable Charger for Electric Vehicles

Thank you for choosing an **PROTON** EV Charger, in order to help you use this product properly, please read this user manual carefully before using the product.

Caution

Do not expose the control box to rain.

Do not immerse the charger in water.

Do not damage the products maliciously.

Avoid dropping the communications box or pressing heavy objects on its surface.

Keep the charger away from high temperature.

Do not place the charger in the car or in a confined space when charging.

The operating temperature of this equipment cannot exceed -30℃ to +50℃.

Warning

Use with RCD circuit breaker only.

Do not use this product if the EV charging cable is damaged.

For electric vehicle charging only.

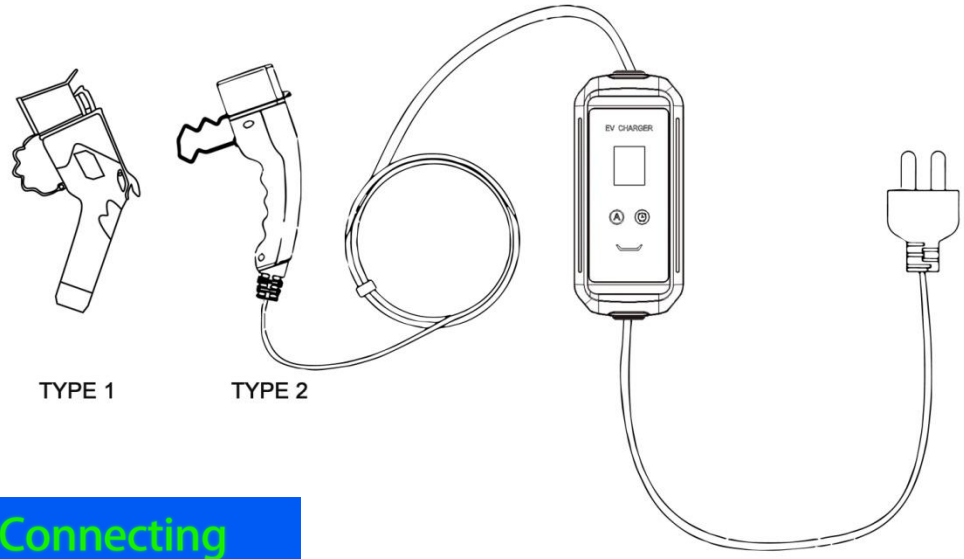
This product must be grounded properly when used.

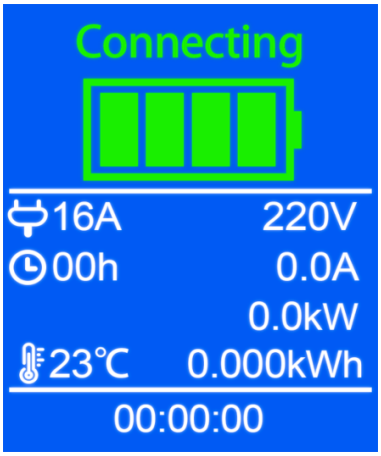
Do not put fingers into the charging plug.

This product does not contain user-serviceable parts, please do not try to repair or maintain the product on your own.

If the charger cannot be charged normally accordingly to the user manual, please contact the dealer for repair or replacement.

Product Description





Communications box (LED Screen) Status LED Meaning:

23℃	:Temperature
16A	:Rated current
220V	:Voltage
0.000kwh	:Electricity consumption
00:00:00	: Predict /actual Charging time
0.00kw	:Power
0.0A	:Constant current
00h	:delay charging time

LED State	Blue	Green	Red
Ready	On	N	N
EV Connected	Flash	N	N
Charging	N	Pulsing	N
Charge Complete	N	On	N
Fault	N	N	Flash

Product Specification

EV Portable Charger				
MARK √ for Correct Type	√			
Plug Type:	Type 2/ Type 1/ GBT	Type 2/ Type 1/ GBT	Type 2/ GBT	Type 2/ GBT
Rate Voltage:	220V～250V AC	220V～250V AC	220V～250V 380V～450V AC	220V～250V 380V～450V AC
Rated Current:	8-10-13-16A (MAX) Mono phase	16-26-32A(MAX) Mono phase	8-10-13-16A (MAX) Three phase	16-26-32A(MAX) Three phase
Power Rate:	3.6 KW	7.2 KW	11 KW	22 KW
Cable Specification:	3*2.5mm²+1*0.75mm²	3*6mm²+1*0.75mm²	5*2.5mm²+1*0.75mm²	5*6mm²+1*0.75mm²

Operating Temperature:	–30℃ to +50℃
Storage Temperature:	–40℃ to +80℃
Enclosure:	In-Cable box: IP66 Charging Connector: IP54

Precautions

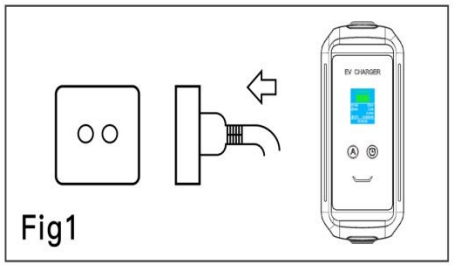
Make sure that the charger is free from any abnormal conditions, such as laceration, rust, rupture or breakage of charging ports, cables, control boxes, wires, and plug surfaces.

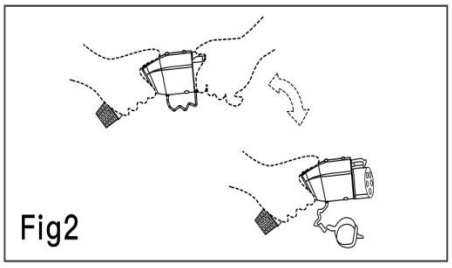
Please do not use this charger if the socket is damaged, rusted, cracked or loosely connected.

Do not start using if the plug is dirty or wet!!! Wipe with a clean and dry cloth to make sure it is dry and free of dirt.

Make sure that the plug at the power supply is consistent with the power supply socket before charging.

How to start charging





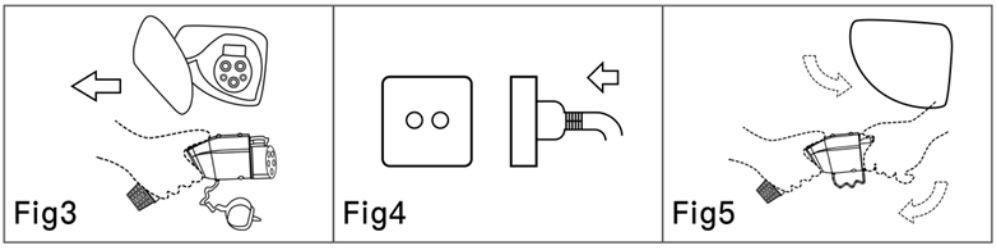
1, Take out the charging cable and insert the plug into the power supply socket.

2, push the blue button on the controller to adjust the current.

3, please remove the protective cap and fully insert the charging connector into the charging

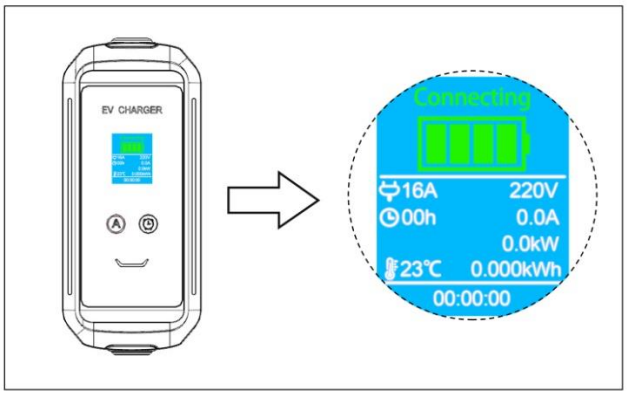
port.Make sure the connector is fully inserted into the socket.
4, if the charging device operates automatically, the red light will always be on, and the green light will be flashing.

How to stop charging



1, disconnect the charging connector from the vehicle inlet socket.
2, disconnect the plug from the outlet socket.
3, close the protective shell of charging port at the car end, and then cover the protective cap of the charging connector.put the charger into the bag.

Current (AMP) Switching of the Controller



In order to switch charging current, make sure the power plug is firmly inserted into the socket and the end of the EV vehicle is disconnected, and then press the blue switch button. The charging current will be successfully switched. Presses the green button can set predict charging time, which supports charging after 1-15 hours.

Warranty

One year guaranteed from the date of purchase under the correct use of caused by product quality problems.

Certificate – Сертификат – 證明書 – Certificat – 인증서 – شهادة

Form QAT_10-M05, version 00, effective since March 25th, 2020

Certificate of Compliance

No. 0P220415.HSTUS22

Test Report / Technical Construction File no. TLGD22032937923, TEGD22032937924

Certificate's Holder: Henan Sigma Technology Co., Ltd.
98# Xinxiu Road, Dakuai, Fengquan District,
Xinxiang City, Henan, P.R. China

Certification ECM Mark: Type Approved

Product: Mode 2 EV Charger
Model(s): *(see the following annex)*

Rating: 16A/32A, 110V~250V/380V AC, 50/60Hz

Verification to: Standard:
EN IEC 61851-1:2019, IEC 61851-1:2017,
EN 61851-21-1:2017, IEC 61851-21-1:2017,
EN 62752:2016+A1:2020,
IEC 62752:2016+AMD1:2018

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:

CE The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 15 April 2022

Expiry date: 14 April 2027

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 🖷 +39 051 6705156 ✉ info@entecerma.it 🌎 www.entecerma.it

Certificate – Сертификат – 證明書 – Certificat – 인증서 – شهادة

Form QAT_10-M05, version 00, effective since March 25th, 2020

Annex I

No. 0P220415.HSTUS22

Test Report / Technical Construction File no. TLGD22032937923, TEGD22032937924

Model(s):

SGEN-EV16-P, SGEN-EV32-P;
SGEN-EV16-P1-S, SGEN-EV16-P1-T, SGEN-EV32-P1-S;
SGEN-EV16-P2-S, SGEN-EV16-P2-T, SGEN-EV32-P2-S, SGEN-EV32-P2-T;
SGEN-EV16-P3-S, SGEN-EV16-P3-T, SGEN-EV32-P3-S, SGEN-EV32-P3-T.

Ente Certificazione Macchine Srl
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Proton

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 116300 0001 Rev. 00

Holder of Certificate: **Henan Sigma Technology Co., Ltd.**
98#, Xinxiu RD, Dakuai
Fengquan District
453002 Xinxiang City, Henan
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:

Product: **Vehicle connector for conductive charging of electric vehicle**
Plug for conductive charging of electric

The product was tested on a voluntary basis and complies with the essential requirements.
The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704072010203-00

Valid until: 2025-09-13

Date, 2022-04-08

(Pengdong Yang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 116300 0001 Rev. 00

Model(s):

Vehicle connector: **SG-IEC-AC40-PV,SG-IEC-AC32-PV**
SG-IEC-AC16-PV, SG-IEC-AC40-PV-3
SG-IEC-AC32-PV-3,SG-IEC-AC16-PV-3
SG-SAE-AC40-P,SG-SAE-AC32-P
SG-SAE-AC16-P

Plug: **SG-IEC-AC40-PS, SG-IEC-AC32-PS**
SG-IEC-AC16-PS, SG-IEC-AC40-PS-3
SG-IEC-AC32-PS-3,SG-IEC-AC16-PS-3

Parameters:

Rated Voltage: AC 480V for SG-IEC-AC40-PV-3
SG-IEC-AC32-PV-3,SG-IEC-AC16-PV-3
SG-IEC-AC40-PS-3,SG-IEC-AC32-PS-3
SG-IEC-AC16-PS-3
AC 250V for SG-IEC-AC40-PV
SG-IEC-AC32-PV,SG-IEC-AC16-PV
SG-IEC-AC40-PS,SG-IEC-AC32-PS
SG-IEC-AC16-PS,SG-SAE-AC40-P
SG-SAE-AC32-P,SG-SAE-AC16-P

Rated Current: 16A for SG-IEC-AC16-PV
SG-IEC-AC16-PV-3, SG-IEC-AC16-PS
SG-IEC-AC16-PS-3, SG-SAE-AC16-P
32A for SG-IEC-AC32-PV
SG-IEC-AC32-PV-3, SG-IEC-AC32-PS
SG-IEC-AC32-PS-3, SG-SAE-AC32-P
40A for SG-IEC-AC40-PV
SG-IEC-AC40-PV-3, SG-IEC-AC40-PS
SG-IEC-AC40-PS-3, SG-SAE-AC40-P

Configuration: Type 1 for SG-SAE-AC40-P
SG-SAE-AC32-P, SG-SAE-AC16-P
Type 2 for SG-IEC-AC40-PV
SG-IEC-AC32-PV,SG-IEC-AC16-PV
SG-IEC-AC40-PV-3,SG-IEC-AC32-PV-3
SG-IEC-AC16-PV-3, SG-IEC-AC40-PS
SG-IEC-AC32-PS,SG-IEC-AC16-PS
SG-IEC-AC40-PS-3,SG-IEC-AC32-PS-3
SG-IEC-AC16-PS-3

Kind of construction: 2-I for SG-SAE-AC40-P, SG-SAE-AC32-P
SG-SAE-AC16-P
2-IIe for SG-IEC-AC40-PV
SG-IEC-AC32-PV, SG-IEC-AC16-PV
SG-IEC-AC40-PV-3, SG-IEC-AC32-PV-3
SG-IEC-AC16-PV-3
2-IIb for SG-IEC-AC40-PS
SG-IEC-AC32-PS, SG-IEC-AC16-PS
SG-IEC-AC40-PS-3, SG-IEC-AC32-PS-3
SG-IEC-AC16-PS-3

Degree of Protection: IP 55(after mated)

Tested according to: IEC 62196-2:2016
IEC 62196-1:2014

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