



Portable EV charger manual

LEVEL 2

PN. EV300XX



Incluido en algunos modelos*

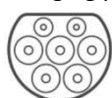


MAX 16 A

MAX 32 A

Compatibility

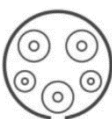
Charging plug and the Control box meets:



Type 2 (IEC 62196-2 European standard)

Compatible with Audi A3 e-tron, BMW i3, BMW i8, Chevrolet Spark, Mercedes B class E-Celi,

Mercedes S500 PHEV, Mercedes SLS EV, Mercedes Vito E-Cell Van, Porsche Panamera PHEV, Renault Zoe 2013, Volkswagen e-Up, Volkswagen e-golf, Volvo V60 PHEV, etc.



Type 1 (SAE J1772 North American standard)

Compatible with Chevrolet Volt, Citroen C-Zero, Fisker Karma, Ford Focus Electric, Ford C-Max Energi, Mia Electric Van, Mitsubishi-1 Miev

Mitsubishi Outlander Phev, Nissan NV200SE Van, Nissan Leaf, Peugeot Ion, Renault Fluence, Renault Kangoo, Smiths Edison Van, Tata Indica, Vista EV, Toyota Prius Vauxhall Vampra, ...

Features

Excellent protection performance

Protection Grade IP65-Working condition.

Operating temperature: -30°C to +50°C

Rated voltage: 230V

Current adjustable range:

- 16A Model: 10A-16A-20A-24A-32A
- 32A Model: 6A-8A-10A-13A-16A

Delay Function: For models with a delay function, plug the charger into the electric plug, adjust the current and adjust the number of hours you want to delay the start of charge of your vehicle.

Cable Length: 5m or 8m black color cable

Vehicle Side Connector: Type2

Wall Power Supply Plug: 16 Shuko or 32A CETAC

HMI: LED indicator + display screen + press button + Time Charging Version (Only for some models)

Mechanical properties

- . Mechanical life: no-load plug/pull > 10000 times
- . External force impact: can afford 1m drop and 2T over pressure vehicle electrical performance
- Rated current and voltage: 250V AC 32A
- . Insulation resistance: >1000MΩ (DC500V)
- . Terminal temperature rise: < 50K
- . Contact impedance: 0.5 mΩ max.

Control box function

Leakage protection (recovery reset).

- . Overvoltage and undervoltage protection (self-test recovery).
- . Lightning protection.
- . Overvoltage protection.
- . Overheat protection.

charger cord

Specs:

Model 16A: 3G2.5mm² + 0.5mm²

Model 32A: 3G6mm² + 0.5mm²

delay function

For models with delay function, plug the charger into the electrical outlet, select the

Model 16A: 3G2.5mm² + 0.5mm²

Model 32A: 3G6mm² + 0.5mm²

Cautions

. For 32A Models, DO NOT USE THE CHARGER WITH ELECTRICAL SCHUKO ADAPTERS OVER 16 A (3600W)

- . DO not put the device inside the water.
- . DO not step on the cable, do not pull it, do not fold it up.
- . DO not drop the control unit or put heavy things on it.
- . DO not place the charging cable near high-temperature objects.
- . DO not place the unit in the car or in a closed room while charging.
- . DO not use the device in extreme temperatures (normal operating range (-30°C to +50°C)).
- . The power supply input cable should have at least 3*6mm² with a standard 32A jack for the 32A Model, or 3x2.5mm² with a standard 16A Schuko jack for the 16A Model.
- . Make sure that the charging plug, the cable and the control box are free from any signs of scratches, rust, cracks, etc.
- . DO not charge if the power outlet is damaged, rusted, cracked or loosely connected.
- . Before charging, make sure the power plug and outlet are compatible.
- . The Green Power LED indicator is always on when the battery is fully charged.

Warnings

- . Carefully read these instructions and your vehicle owner's handbook before charging your EV.
- . Use only on the mains with fault current circuit breaker.
- . DO not use this product if the EV charging cable is damaged.
- . For use with EV charging only.
- . The product must be grounded.
- . DO not use this unit with an extension cord or adapter.
- . DO not insert any fingers into the charging plug.

. The unit contains no user serviceable parts. DO not try to repair or service the device yourself.

. If the unit does not work properly in accordance with the operating instructions, do not use this unit. Contact your dealer for a repair or replacement.

. Use the product under normal away from high temperature erosive materials or ignition source.

. DO not contact metal conductor to prevent electric shock accident.

. Product shell is made of thermoplastic, please do not pound it to avoid reducing performances

Charging

1. Check that the power distribution cable is not damaged before turning it on.
2. Plug the mains plug into the socket.
3. Select the charging power with the button on the front (For your safety, the electrical current cannot be changed with the vehicle plugged in).
 - Model 16A: 10A-16A-20A-24A-32A
 - Model 32A: 6A-8A-10A-13A-16A
4. Please make sure the power outlet meets national standards and the plug is 32A.
5. Plug the vehicle plug into your vehicle's socket.
6. Make sure the vehicle connector is fully inserted until it clicks into place.
7. The charger works automatically.
8. When the charger shows that the charging process is finished or if you need to interrupt the charging process:
 - Disconnect the plug.
 - Disconnect the charging cable.
 - Cover the connector cover to your plug.
 - Insert the charging cable into the carrying case.

Warranty

Damages caused by the following reasons are not covered by the warranty:

1. Improper handling, installation, use and maintenance by the user.
2. The product falls into the water.

This warranty is for the original purchaser only and is NOT transferable.

PLEASE NOTE: This document includes the latest information at the time of printing. EVplug chargers, S.L. reserves the right to make changes to this product without notice. Changes or modifications to this product by an unauthorized service center could void the product warranty.

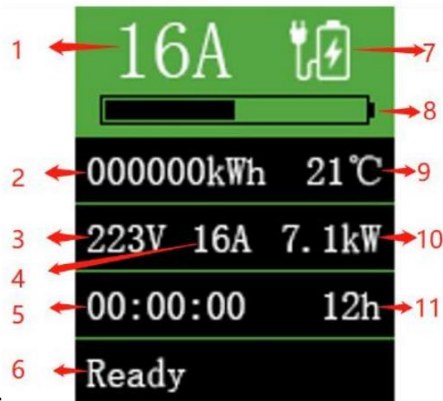
Condition	Led Status			
	Led Green 1	Led green 2	Led green 3	Led red 4
Ready	On	Off	Off	Off
Charging	3 leds flashing			Off
Charge finish	On	Off	Off	Off
Error	Off	Off	Off	Flashing
no ground connection	Off	Off	Off	On

Error mode:

The failure mode identifies that there is an error in the charging process.

It can occur for the following reasons:

1. Differential protection: Error in the ground connection, connector, cables or battery of the very humid or wet vehicle.
 2. High or Low Voltage: The supply voltage is too high or too low.
 3. Temperature above or below working limits.
 4. High current or short circuit in the charging circuit.
- In case of this error, unplug the charger and plug it back in. If the error persists, contact an authorized electrical installer.



Descriptions

- 1 Rated output current.
- 2 The cumulative charged electric power is displayed here (precision is 1kwh when the car is fully charged and 0.01kWh when the car is charging).
- 3 Real-time working voltage (accuracy is 1V)
- 4 Real-time output current (accuracy is 1A)
- 5 Time to show the cumulative charging time in charging or to show how long it will last take to start charging when charging is scheduled with "delay" button.
- 6 Message Alert:
Ready: Standby, ready to use, available to use
Connect: The EV plug is inserted and connected to the vehicle, waiting for the vehicle to begin charging.
Charging: Charging status, which means that the interaction between the charger and the vehicle is normal and the the charger is supplying power to the vehicle.

- Leak: A leak is detected in the EV charger.
- Over Vol: The operating voltage exceeds the maximum value allowed.
- Under Vol: The operating voltage is lower than the minimum value allowed.
- Over Cur: The output current exceeds the maximum value allowed.
- Under Cur: The output current is below the minimum allowed for a long period of time.
- Over Tmp: The internal temperature of the charger exceeds the maximum value allowed.
- CP Fail: the amplitude of the CP signal wire for communication between the charger and the vehicle is abnormal and does not meet the standard.
- Relay Err: A fault has been detected on output contactor K 1 or K 2.
- PE ERR: The PE wire is not connected to ground.
- RCD ERR: Leakage protector fault detected.
- Chip Err: Failure in communication with the voltage and current monitoring chips.
- STOP: XXX Reasons for non-payment (in hexadecimal)
- 200: The vehicle does not respond to the recharge request in 1 minute, that is to say the vehicle does not allow charging.
- 400: The vehicle requests to stop charging.
- 5xx: Fault is detected and charging stops, XX is the fault code.
- 7 Status Icon: The normal status icon is a battery icon, as shown above; if there is a fail, alarm icon is displayed;
- 8 Working temperature
- 9 Upload progress indicator: progress is dynamically displayed in cycle when uploading happens.
- 10 power output (accuracy is 0.1kw)
- 11 Scheduled charging: The longest charging delay is 12 hours. Press the "Delay" button different times to schedule charging at different times, e.g. press button 4 times to start charging in 4 hours. *

P/N and descriptions

No Delay function	Delay Function	Description
EV30001	EV30001D	Type1 Portable 5m 16A 1phase
EV30002	EV30002D	Type2 Portable 5m 16A 1phase
EV30003	EV30003D	Type2 Portable 5m 32A 1phase
EV30004	EV30004D	Type2 Portable 5m 13A 1phase (UK only)
EV30005	EV30005D	Type2 Portable 8m 16A 1phase
EV30006	EV30006D	Type1 Portable 5m 32A 1phase
EV30007	EV30007D	Type2 Portable 5m 16A 3phase
EV30008	EV30008D	Type2 Portable 5m 32A 3phase
EV30009	EV30009D	Type2 Portable 8m 32A 1phase
EV30013	EV30013D	Type2 Portable 5m 32A 1phase + Adaptor 16A
EV30017	EV30017D	Type2 Portable 5m 16A 3phase + Adaptor 16A
EV30019	EV30019D	Type2 Portable 8m 32A 1phase + Adaptor 16A
EV30023	EV30023D	Type2 Portable 5m 32A 1phase + 2 Adaptors (16A + 3phases 32A)

MANUALS IN OTHER LANGUAGES



For manuals in any other language, please, read the following code or go to <https://evplugchargers.com/downloads/>



Para manuales en otro idioma, por favor lea el siguiente código o vaya a <https://evplugchargers.com/downloads/>



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Für Handbücher in einer anderen Sprache lesen Sie bitte den Code unten oder gehen Sie zu <https://evplugchargers.com/downloads/>



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