



Mister EV
Your electric car's buddy

MINICHARGER

User Manual and Safety Instructions





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CONGRATULATIONS !

You have just acquired a MINICHARGER and we thank you ! This product is designed and conceived in France, with the collaboration of the company S4 Services.

Please read this manual in order to use your MINICHARGER in accordance with the manufacturer's recommendations and safely.

We hope that your MINICHARGER will bring you complete satisfaction and we wish you a good use. Do not hesitate to contact us for any feedback or suggestion that you may have regarding this product.



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SAFETY INSTRUCTIONS

The following manual contains important security instructions. Make sure you read and understood them before using the equipment.
Please keep the manual with the equipment for future reference.



WARNINGS :

Not following the instructions below exposes you to risks such as fires, electric chocs, serious and deadly injuries.

- Always use your MINICHARGER respecting the process described in this manual.
- The MINICHARGER is conceived to only charge an electric vehicle according to IEC-62196 standard with SAEJ1772 connector called "Type 1" or VDE-AR-E 2623-2-2 called "Type 2" on the 230V single-phase or 400V three-phase electrical network. Never use it for another purpose or with another vehicle or object.
- Use your MINICHARGER only on an electrical installation in compliance with the standards of your country or region.
- Do a visual examination of your MINICHARGER before each use. Stop using it if you detect any crack, bare wire, connexion oxidation, burning mark or if it does not work at all anymore.
- Do not attempt to open, disassemble, repair, alter or modify your MINICHARGER. Any attempt to do so will automatically cancel the product warranty irreversibly. Please contact the distributor in case of failure.
- The use of extension cable, power strip, or conversion socket to plug the MINICHARGER is strictly forbidden.
- Do not use a generator to power the MINICHARGER.
- Do not plug the MINICHARGER in a damaged or poorly attached outlet. Make sure that the connector pins fit perfectly into the wall outlet and that the plug is plugged all the way in.
- Do not use the MINICHARGER in extreme climate conditions (heavy rain, snow, thunderstorms, bad weather, heat wave).
- While handling and carrying it, do not subject the product to an intense choc, a twist, or a crush.
- Protect your MINICHARGER from humidity, especially during its storage. If it looks corroded or damaged, do not use it.
- If it rains during the charge, do not let water flow along the cable till the load port, the wall plug, or the charging station socket.



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- Do not use the MINICHARGER with an outlet that is or has been immersed. If the MINICHARGER is plugged while the outlet is already immersed, cut the power off at the circuit breaker before touching the outlet.
- Do not insert any metallic object or any other item into the connectors. Do not touch the MINICHARGER with sharp or metallic objects such as tools, wire or needles.
- Do not cover the MINICHARGER while in charge.
- Make sure that the cable of the MINICHARGER does not obstruct the passage of pedestrians, objects or any vehicle.
- Do not use solvents to clean the MINICHARGER.
- The use of the MINICHARGER can affect or impede the operation of implantable medical devices, such as pacemakers or defibrillators. Contact the manufacturer of these devices to know the possible effects that the proximity of these devices might have during a charge.



CAUTION :

These instructions are intended to protect you from a premature wear, a malfunction or a damage on your MINICHARGER.

- Do not use the MINICHARGER out of its temperature range of -30°C and +50°C.
- Have your electrical installation equipped with a lightning arrester and / or surge protector to protect your MINICHARGER and your vehicle.
- Roll the cable up in circle. Do not wring, twist, or bend it.
- Do not keep your MINICHARGER outside, exposed to the sun, to severe heat or weather during several days.



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PACKAGE CONTENTS

- MINICHARGER Type 1 ou Type 2
- This user manual

COMPATIBILITY

ELECTRIC NETWORKS

The MINICHARGER is compatible with all single-phase 230V 230V, 50 ou 60Hz.



Please have a professional verify the presence of a neutral pole, of an electrical ground with a leakage resistance of less than 100 Ohms and a zero potential difference between the neutral pole and the electrical ground. Some vehicles can refuse the charge if those criterias are not respected.

ELECTRIC VEHICLES

The MINICHARGER realizes a charging supervision by complying to the IEC 62196 standard through a Type 1 or a Type 2 plug according to the version ordered. Please refer to your vehicle's manual to know the connexion procedure on the vehicle side.



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OPERATION

The MINICHARGER is an “intelligent” cable that ensures the supervision and safety of an electric vehicle’s charge. It can be powered by various domestic and industrial plugs equipped with an earth pole (depending on the version of the product).

START THE CHARGE

1. Make sure that the outlet of the electrical fixed installation complies with established requirements, and is compatible with the input plug of your MINICHARGER.
2. Make sure that the cable is long enough to go from the wall socket to the electric vehicle’s socket. If not, bring the car closer, or find a closer wall socket.
3. Plug the input connector in the wall socket.
4. Plug the charging plug on your EV. Please refer to the user manual of your EV to do so.
5. The « Mister EV » indicator lights up and the charging process begins.
6. The « Mister EV » indicator remains alight during the charging process and will shut off if the charging process is stopped or halted by the vehicle (scheduled charge, cabin preheat/chill, etc.)



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STOP THE CHARGE

1. Stop the charge on your EV. Please refer to the user manual of your EV to do so.
2. Unplug the charging outlet from the EV.
3. Unplug the unit from the wall socket.

TROUBLESHOOTING

Symptom	Indicator	Origin	Solution
Impossible to charge	OFF	No power	Check the circuit breaker
Charging interrupted	OFF	Vehicle is 100% charged. Vehicle in deferred charging. Vehicle currently pre-conditionning. Temperature of the battery is too low or too high.	Deactivate the deferred charging or pre-conditionning. Move your car to a temperate aera.

LIMITED WARRANTY

The two years limited warranty covers manufacturing defects from the date of purchase. It does not cover shipping costs for the possibility of sending back the product to the factory or local repair service.

The warranty voids if the product is not used properly, plugged on an improper electrical installation or if the safety instructions described in this manual are not respected.

In some cases the warranty can be extended with the agreement of the manufacturer. For more information, contact your local reseller.



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LIMIT OF LIABILITY

The compatibility of your MINICHARGER is guaranteed with the vehicles available on the market at the date of purchase of your equipment.

The manufacturer's or reseller's liability is limited to the repairs or exchanges that does not exceed the total price you paid for the product.

The manufacturer or reseller shall not be liable under this limited warranty for any defects that exceed the fair market value of the equipment at the time of the discovery of the defect.

The manufacturer or reseller does not authorize any person or entity to create for it any other obligation or liability in connection with this limited warranty.

The decision to repair or replace a part of the MINICHARGER by a new, conditioned or non genuine one that fulfills the same quality criterias as the original part will be done by the manufacturer, in its sole discretion.

The manufacturer and the reseller hereby disclaim any and all indirect, incidental, special and consequential damages arising out of, or relating to the MINICHARGER, including, but not limited to : transportation of your vehicle (repair, towing, vehicle rental), loss of vehicle or equipment value, loss of personal or commercial property, loss of time, loss of income, travelling expenses (bus fares, vehicle rental, gasoline or energy expenses), lodging expenses, service call charges, negligence, additional costs (phone, mail, fax or shipping expenses), moral prejudice or crime.



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PRODUCT TRACKING

All our products have a serial number. When purchasing one of our product, you must send your details to your local reseller. This allows us to arrange product update if necessary. Do not forget to update your details if you move or resell your MINICHARGER to a third party.

TECHNICAL SPECIFICATIONS

- Maximum power input : 8,10,13 or 16A (according to version) – 90-250VAC
- Power consumption (idle) : less than 1W
- Power consumption (charge) : up to 3,7KW (depend on the vehicle)
- Ingress Protection (control box) : IP65
- Ingress Protection (Vehicule & Wall scket : IP44 (plugged)

MANUFACTURER

This product is distributed by SAABRE under the trademark MISTER EV and manufactured by :

S4 Services

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