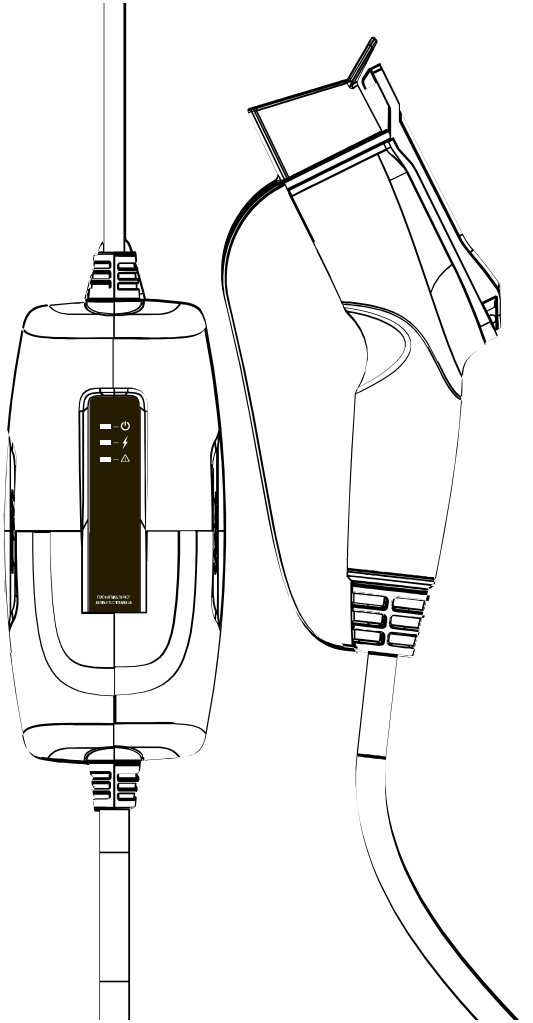
Schumacher®

EVSERIES™

SEV1670 Level 1 EV Charger
NIVVEAU 1 CHARGEUR POUR VE SEV1670
CARGADOR DE VEHÍCULO ELÉCTRICO SEV1670 NIVEL 1

USER MANUAL
MANUEL DE L'UTILISATEUR
MANUAL DEL USUARIO



SCAN ME

ENERGY STAR

Intertek
5000716
Conforms to UL STD 2594
Certified to CSA STD C22.2 No. 280:22

0099002492-00

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

WARNING — When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions that must be followed during operation and maintenance of the unit.

WARNING! RISK OF ELECTRIC SHOCK OR FIRE.

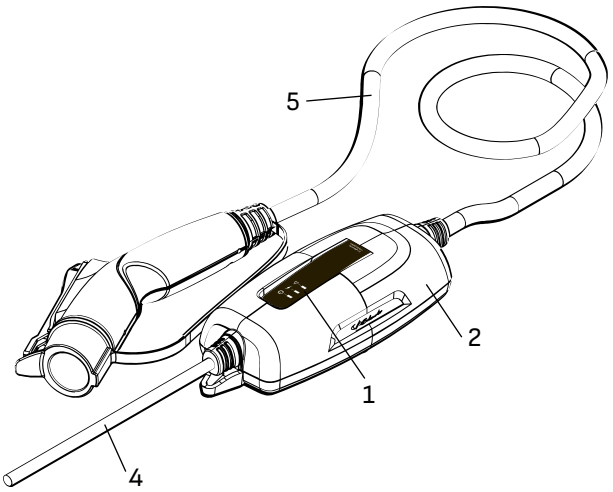
1. **SAVE THESE INSTRUCTIONS** — This manual contains important safety and operating instructions.
2. Read all the instructions before using this product.
3. This device should be supervised when used around children.
4. Do not put fingers into the electric vehicle connector.
5. Do not use this product if the cable is frayed, has broken insulation, or any other signs of damage.
6. Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
7. Do not operate charger at temperatures above 122°F/50°C.
8. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service person.
9. Do not disassemble charger; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
10. Use the charger only for charging compatible EV vehicles.
11. Changes or modifications not expressly approved by Schumacher Electric Corporation could void the user's authority to operate this device.
12. **NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
    - Reorient or relocate the receiving antenna.
    - Increase the separation between the equipment and receiver.
    - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
    - Consult the dealer or an experienced radio/TV technician for help.

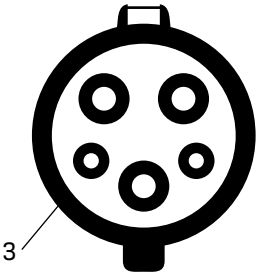
GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord featuring an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING — Improper connection of the equipment/grounding conductor will result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

FEATURES

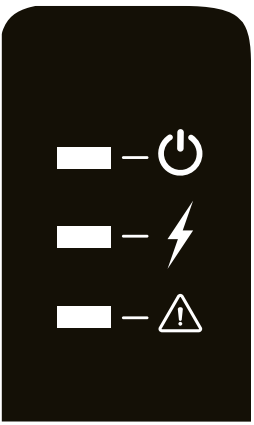




1. Charging Status LEDs
2. Control Panel
3. Universal J1772 Connector
4. NEMA 5-15P Power Cord
5. 20-foot Charging Cable

LED BEHAVIORS

- **Power LED (white) solid:** Power is connected to the portable charger.
- **Charging Status LED (green) solid:** The portable charger is connected to the electric vehicle.
- **Charging Status LED (green) fade in/out:** The charger is supplying power to the electric vehicle for charging.
- **Charging Status LED (green) flashing:** The charging process is complete.
- **Fault LED (red) flashing:** A fault was detected. Refer to the troubleshooting guide.



OPERATING INSTRUCTIONS

WARNING: Do not tamper with the equipment or its components.

1. Plug in the power cord to a 120V AC power outlet.
2. Check to make sure the portable EV charger's Power LED iis illuminated solid white.
3. Plug the charging connector into your vehicle's charging port.
   Note: The charging connector is fitted with a universal SAE-J1772 connector that will fit most electric vehicles. Tesla vehicles will require an adapter.
4. Charging begins automatically. Your electric vehicle will control the charging process.
5. When charging has stopped, remove the charging connector from your vehicle's charging port.
6. Make sure the charging cable is neatly stored out of the way.

USER MAINTENANCE INSTRUCTIONS

1. Occasionally cleaning the case of the charger with a soft cloth will keep the finish shiny and help prevent build up of dirt.
2. Coil the input and output cords neatly when storing the charger. This will help prevent accidental damage to the cords and charger.

MOVING, TRANSPORTING, AND STORAGE INSTRUCTIONS

1. Do not lift or carry by the cables when moving this product.
2. Do not store the product on or around metal.
3. Do not transport it in the bed of a truck or in a trunk with other heavy objects that could slide and damage the unit.
4. Carry the unit with the cables coiled and supported by the main enclosure.
5. Store the charger unplugged from the AC power outlet.
6. Store this unit at temperatures between -22° F and 122° F (-30 °C and 50 °C).

TROUBLESHOOTING

LED BEHAVIOR	PROBLEM	SOLUTION
Power LED off	No AC Power	Check the breaker and make sure the plug is fully inserted in the power outlet.
Fault LED flashes red two (2) times	Leakage Current	Unplug the power plug and then plug it back in. If the fault still exists, please contact our support service.
Fault LED flashes red three (3) times	Over-Voltage	Unplug the power plug and then plug it back in. If the fault still exists, there may be a problem with the power outlet. Please consult a licensed electrician for help or contact our support service.

LED BEHAVIOR	PROBLEM	SOLUTION
Fault LED flashes red four (4) times	Under-Voltage	Unplug the power plug and then plug it back in. If the fault still exists, there may be a problem with the power outlet. Please consult a licensed electrician for help or contact our support service.
Fault LED flashes red five (5) times	Over-Current	Unplug the power plug and then plug it back in. If the fault still exists, please contact our support service.
Fault LED flashes red six (6) times	Over-Temperature	Unplug the power plug and allow the unit to cool down before attempting to charge again. If the fault still exists, please contact our support service.
Fault LED flashes red seven (7) times	Missing PE Connection	Unplug the power plug and then plug it back in. If the fault still exists, there may be a problem with the power outlet. Please consult a licensed electrician for help or contact our support service.
Fault LED flashes red eight (8) times	Relay Fault	Unplug the power plug and then plug it back in. If the fault still exists, please contact our support service.

SPECIFICATIONS

Input/Output Voltage .....120V AC, 60Hz
Rated Current 12A
Rated Output Power ..... 1.44 kW
Operating Temperature..... -22°F to 122°F (-30°C to 50°C)
Charger Cord Length ..... 20 feet
Plug.....NEMA 5-15P
Charging Connector .....SAE-J1772 (Universal)
Installation.....Indoor/Outdoor
Type.....3S Raintight /IP66 Enclosure

THREE-YEAR LIMITED WARRANTY AND SERVICE

For repairs, returns, or information on our three-year limited warranty, please call 1-800-621-5485 or visit schumacherelectric.com.

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