

Portable Luminous EV Charger User Manual



Read Carefully Before Use
Keep for Future Reference

Safety Information

General Safety

DANGER!

- **ONLY** use this charger for its intended purpose, charging compatible EVs on compatible power supply.
- **NEVER** attempt to meddle with or modify the internal components of the charger. Tampering with the charger can lead to severe property damage, personal injuries, and even fatalities. The unit contains non-user-serviceable parts. **DO NOT** try to repair or service the device yourself. Such actions will void any warranties or safety certifications that the charger may have.
- **ALWAYS** check that the charging plug, the cable, and the control box are free from any signs of scratches, rust, cracks, etc. before each use. Stop using it immediately if you have seen any sign of damage.
- Carefully read these instructions and your vehicle owner's handbook before charging your EV.
- If the unit does not work properly in accordance with the operating instructions, stop using it immediately and have it checked or replaced before resuming use again.

Operation Safety

- **DO NOT** step on, pull, or fold up the cable. Do not drop the control box or put heavy things on it. **NEVER** unplug either end of the charger by holding its cord.
- **DO NOT** disconnect either plug when the charge is still in process. When finished, only disconnect the plug on your EV first and then the power source.
- **DO NOT** charge if your power outlet is damaged, rusted, cracked, or loosely connected.
- **DO NOT** place the charging cable or the control box near heat sources. **DO NOT** place this charger on or near metal conductors during use.
- **DO NOT** place the charger in the car or in a closed room while charging.
- **DO NOT** use the device in extreme temperatures. The normal operating range is -13 to 122°F (-25 to 50°C).
- **DO NOT** insert any fingers into the charging plug.

Electric Safety

WARNING!

- **ONLY** have a licensed electrician distribute the electricity for the power supply of your charger. However, keep in mind that actual installations may have specific requirements. If unsure, refer to local electrical codes and standards to determine the appropriate conductor size for your specific installation.
- For the 16A charger: The power supply cord core must be made of **COPPER** with a minimum cross-sectional area of 6 mm^2 and must consist of three cores.
- For the 40A charger: The power supply cord core must be made of **COPPER** with a minimum cross-sectional area of 10 mm^2 .
- **ONLY** use this charger on the mains with a fault current circuit breaker.
- **DO NOT** use this unit with an extension cord or adapter.

Specifications

Model		MD-PA-16A		MD-PA-40A	
Charing Plug		SAE J1772		SAE J1772	
Power Plug		NEMA 6-20		NEMA 14-50	
Output Current Range		6–16 A		16–40 A	
Input Voltage		110–220V~		110–220V~	
Waterproof Rating	Control Box	IP67		IP67	
	Adapter	IP54		IP54	
Operating Temperature		-13 to 122°F	-25 to 50°C	-13 to 122°F	-25 to 50°C
Control Box Dimensions		8.7×3.9×2.2 in.	22×10×5.5 cm	8.7×3.9×2.2 in.	22×10×5.5 cm
Cable Length		23 ft.	7 m	23 ft.	7 m
Net Weight		6.6 lb.	3 kg	6.6 lb.	3 kg

Package List

- 1 × Portable EV Charger
- 1 × Storage Bag

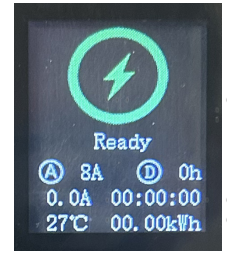
Control Box Diagram



①	Control Box
②	Current Display
③	Current Adjustment
④	Standby Indicator
⑤	Delayed Charging Time Display
⑥	Delayed Charging Time Adjustment
⑦	Three-Prong Power Plug
⑧	SAE J1772 Plug
⑨	Adapter Cable (MD-PA-16A Only)

Operation

1. Confirm that your vehicle is ready for charging. Check that your power outlet, charging plug, cable, and control box are free from any signs of damage.
2. Connect the charger to the socket designated for your charger's model. For MD-PA-16A, use the provided adapter cable if needed. The first LED light of the charging status indicator should come on. The charger display should show ready as shown.
3. Hold the current adjustment button until the current display shows the lowest current value, which starts at 6 A for MD-PA-16A or at 16 A for MD-PA-40A. Press the button to toggle through the values and stop at the one that meets your charging needs. The charger will automatically save the changed value.



⚠ DANGER! Always make sure the current value you choose meets the specifications as stated in your vehicle's user manual.

4. Hold the delayed charging time button until the delayed charging time display shows the shortest delayed charging time, ranging from 0 to 12 hours. Press the button to toggle through the values and stop at the one that meets your charging needs. The charger will automatically save the changed value.

⚠ Time and current adjustments are disabled when the plug is not connected to any vehicle. It is recommended that you customize your charging before plugging the charger into your vehicle.

5. Hold the quick lock at the end of the plug, insert it into the compatible inlet of your vehicle, and release the lock, being sure it securely binds with the inlet receptor. The luminous cable should come pulsing in blue or red depending on the model of your charger. The standby indicator should show "Charging".
6. When your vehicle is sufficiently charged, the pulsing blue or red illumination will stop pulsing and stay on constantly, indicating that the charging is finished. Disconnect the plug by holding the quick lock and gently removing it from the inlet. Disconnect the cable from the power outlet. Cover the cable's inlet and your vehicle's port. Store everything away in the provided storage bag, being sure not to twist or fold the cable.



⚠ If you must stop the charging in process, **ONLY** disconnect the plug to your vehicle first and then the power source.

⚠ For a longer battery life of your vehicle and the charger, we recommend that you unplug only after the charging is finished.

Maintenance

- Ensure that the sockets are free of any obstructions before and after each use.
- Periodically clean the charging cable of dust and debris that may accumulate on it with a soft cloth wetted in a mild detergent solution. Do not use harsh chemicals. Allow time for all components to fully dry before further use.
- Periodically inspect the cable for signs of wear. Repair or replace worn components as needed before further use.
- Store in a cool dry place away from direct sunlight and inaccessible to children.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at help@cs-supportpro.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.



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