



Portable EV Charger

LS-EVC-035-10112

User Manual



—Version: V1.01

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After-Sales Service

If you have any questions or need assistance, please contact our customer service:

Phone: +86-0591-87869992

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Address: Unit 101, Building 1, Area B, Junhe Yungu Southeast Science and Technology Innovation Base, No. 36 Chitang Road, Shangjie Town, Minhou County, Fujian Province, China

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1 What's in the Box



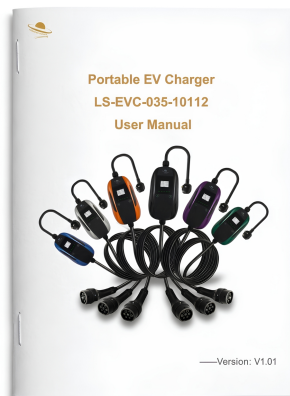
1 × Storage Bag



1 × Portable EV Charger



1 × Cleaning Cloth



1 × User Manual

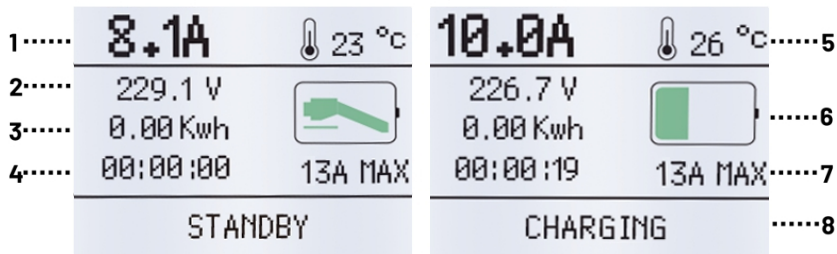
2 Product Overview



3 Product Specifications

Category	Parameter	Specification
Power Input	Rated Voltage	230 V AC $\pm 10\%$
	Rated Current	Adjustable 8 – 13 A
	Frequency	50 – 60 Hz
Power Output	Output Voltage	230 V AC $\pm 10\%$
	Maximum Output Current	13 A
	Rated Power	3.3 kW
User Interface and Control	Connector Type	Type 2
	Charging Cable Length	10 m
	Enclosure Material	ABS 、 PC
	LED Status Indicators	Blue, green, red
	Display	1.8"
	Activation Mode	Plug & Charge
	Ingress Protection	IP65
Security	Protection	Over/under voltage protection, over current protection, leakage protection.
	Certification	CE
Operating Environment	Operating Temperature	-20℃ ~ +50℃
	Humidity	5%~95%
	Altitude	< 2000 m
Packing	Product Size	125 x 230 x 115 mm
	Packaging Size	380 x 320 x 120 mm
	Net Weight	3.4 kg
	Gross Weight	4 kg
	External Package	Carton

4 Interface



No	Description	No	Description
1	Charging Current	5	Charger Temperature
2	Charging Voltage	6	Charger Visual Status
3	Energy Delivered	7	Charging Current Setting
4	Charging Time	8	Charger Status

5 Charging Operation & Settings

5.1 How to Start Charging

- Plug the charger into a properly grounded AC power outlet.
- Connect the charging connector to the vehicle charging port.
- The charger will automatically start charging once the connection is established.
- The indicator light will show the charging status.

5.2 How to Stop Charging

- Charging will stop automatically when the battery is fully charged.
- To stop charging manually, disconnect the charging connector from the vehicle.
- Unplug the charger from the AC power outlet.

NOTE

- Do not unplug the charger during charging by pulling the cable. Always hold the plug or connector.
- If a fault occurs, charging will stop automatically. Refer to the Indicator and Fault Description section for details.

5.3 Charging Current and Timer Settings

1. Enter Setting Mode: Press and hold the Time or Current setting button for 3–5 seconds until the parameters on the display screen begin to blink.
2. Adjust Parameters: Press the Time or Current button repeatedly to set your desired start time or charging current.
3. Confirm & Save: Press and hold the respective button (Time or Current) for 3–5 seconds again to confirm your settings.
4. Start Charging: Once the display stops blinking (indicating the settings are saved), connect the charging connector to your vehicle.

6 Indicator Light Descriptions

Status	LED Indicator Description
Power On	Blue light remains steady
Plug Connected	Green light remains steady
Charging	Green light is blinking
Charging Completed	Green light remains steady
Charging Error	Red light remains steady

7 Troubleshooting

Fault	Cause	Solution
Over Voltage Fault	Input voltage is too high	Check the power outlet voltage. Use a stable and compliant power source. Restart charging when voltage returns to normal.
Under Voltage Fault	Input voltage is too low	Check the power supply condition. Avoid extension cords or weak outlets.
Over Current Fault	Charging current exceeds the set limit	Reduce the charging current setting and restart charging.
Ground Fault	Improper or missing ground connection	Ensure the power outlet is properly grounded. Do not use ungrounded sockets.
Leakage Current Fault	Leakage current detected during charging	Disconnect immediately. Check plugs and connectors for moisture or damage. Do not continue use if

Fault	Cause	Solution
		the fault persists.
CP Communication Fault	Abnormal communication between charger and vehicle	Disconnect and reconnect the charging connector securely, then restart charging.
Over Temperature Fault	Charger temperature is too high	Stop charging and allow the charger to cool down. Ensure proper ventilation before restarting.
Relay Fault	Internal relay abnormality	Disconnect the charger and restart after a few minutes. Contact authorized service support if the fault continues.

1. Charger Cannot Start (Indicator Off / No Response)

Check the power outlet:

- Ensure the outlet has power: Test the outlet using another electrical appliance (e.g. phone charger or table lamp).
- Verify the socket type: The portable EV charger must be connected to a standard UK 13A BS 1363 socket outlet. Do not use non-approved adapters, extension cords, or multi-plug extensions, as they may cause overheating or safety hazards.
- The charger must be connected to a properly earthed outlet. If the earthing is missing or faulty, the charger will detect the issue and prevent charging for safety reasons. Use a socket tester to confirm proper earthing.
- Check circuit protection: Ensure the circuit breaker or RCD protecting the socket has not tripped. Reset it if necessary.

Check the charger side:

- Check the control box / indicator status: See whether any indicator lights on the control box are on. If there is no light at all, the power cable may be damaged or there may be an internal fault.
- Check the charging connector: Firmly insert the charging connector into the vehicle charging port. Some chargers only power on fully after detecting a proper vehicle connection.
- Check the vehicle side: Ensure the vehicle is unlocked and that the charging port is clean, dry, and free of any foreign objects before starting charging.

NOTE

Troubleshoot step by step as listed above. Focus especially on proper grounding and adapter quality. If the outlet is not grounded, contact a qualified

electrician to correct the wiring. This is a safety requirement and cannot be bypassed.

2. Charger Connected but Charging Does Not Start or Stops Automatically

Check fault indicators or display messages (priority check):

- Portable chargers use LED indicators (blue, green, and red) or a display screen to show the charging status.

Red light remains steady / “Over Temperature” displayed:

- The control box, charging connector, or outlet is overheating.
- Check for direct sunlight, poor ventilation, excessive load, or high contact resistance at the outlet.
- Disconnect the charger, allow it to cool down, then try again.

“Over Voltage” / “Under Voltage” displayed:

- The household voltage is unstable and outside the operating range (e.g. outside the normal UK voltage range (230 V AC $\pm 10\%$)).
- Try charging during off-peak hours (such as late at night), or contact property management or an electrician to check the power supply.

Check vehicle settings:

- Is scheduled charging enabled? Check the vehicle system or app to see if a delayed start time is set.
- Is the charging current set too low? Some vehicles and portable chargers allow current adjustment. If set too low (e.g. 6A), charging may appear inactive. Try increasing the current to the maximum allowed value (e.g. 10A or 13A).

Check circuit load:

- Are other high-power appliances (air conditioner, water heater, etc.) using the same circuit? This may cause tripping or voltage drops. Try charging using a dedicated circuit.

3. Charging Speed Is Abnormally Slow

Check the current charging current: View the real-time charging current (A) on the vehicle display.

Check the charger current setting: Make sure the charger is not set to a low current level (e.g. 8A or 10A). Adjust to the highest safe level supported by the socket and wiring (e.g. 13A).

NOTE

Due to differences in vehicle onboard chargers, the actual charging current may vary. For example, if set to 13A, the current may be 12A or 13.5A.

Check supply voltage: During peak hours, grid voltage may be lower (e.g. around 210V), reducing charging power (Power = Voltage $\times$ Current). This is normal.

Check wiring and connections:



- Long extension cords, poor-quality adapters, or aging sockets increase voltage drop and heat, reducing effective charging power.
- Use of extension cords is strongly discouraged.
- If unavoidable, use a dedicated cable rated for $\geq 13\text{A}$ with a conductor cross-section $\geq 2.5\text{ mm}^2$.

4. Charging Connector Cannot Be Unplugged

This is one of the most common issues and is usually not a fault.

Ensure the vehicle is unlocked: Most vehicles automatically lock the charging connector during charging to prevent removal. The vehicle must be unlocked first.

Try remote unlocking: Use the vehicle key or mobile app and press the unlock button repeatedly.

Check that the vehicle is fully powered off: Try starting the vehicle, then turn it off and unlock it again.

Mechanical emergency release: Some vehicles have a manual release cable near the charging port or in the trunk (refer to the vehicle's manual).

Do not forcefully pull the connector: This may damage the charging port.

5. Charger or Connector Overheating

Stop charging immediately. Safety first.

Check the environment: Ensure the control box and connector are not exposed to direct sunlight or placed in a confined space. Provide adequate ventilation.

8 Maintenance and Care

Regular cleaning: Clean the metal contacts of the charging connector with a clean, dry, soft cloth to prevent dust or oil from affecting conductivity.

Proper cable storage: Do not bend the cable tightly. Pay special attention to protecting the connector and control box.

Avoid water immersion and impact: The control box is not designed for immersion. Please avoid prolonged exposure to rain or water. Although the connector has a certain protection rating, avoid direct rain exposure or immersion.

Before using a new outlet: Always use a socket tester to verify correct wiring of live, neutral, and ground, and ensure proper grounding.

9 After-Sales and Support

9.1 Technical Support Contact Information

Phone: +86-0591-87869992

Email: info@leisnenergy.com

Website: www.leisnenergy.com

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Local support channel: Email –amazon-sales1@leisnenergy.com For assistance with product inquiries, troubleshooting, or warranty claims, please contact our technical support team.

9.2 Warranty Policy

The motherboard and accessories are covered by a 24-month warranty from the date of purchase. Within the warranty period, defects caused by product quality issues are eligible for free replacement within one month, and free maintenance is available for the entire warranty period.

9.3 After-Sales Support Instructions

If any abnormal operation or malfunction occurs during the use of the charger, please contact our after-sales service team via the designated support email.

To ensure efficient troubleshooting and support, please include the following information in your email:

- Charger Serial Number
- Description of the Issue: Please briefly describe when and how the issue occurred, including usage conditions.
- Screenshots of the Issue
- Video Recording (Recommended): If possible, please provide a clear video to help identify the root cause more accurately.



Please send all relevant information to our official after-sales support email. Our technical team will respond as soon as possible after receiving complete information.

