A Must-Have Tool for Every Electric Vehicle

Electric Vehicle Charging System Tester

LINKCHECK

LINKTECH (주)링크텍

linkcheck

Key Features

01 Temperature Comparison & Charging Time Analysis

- Detect charging interruption or delay caused by overheating.
- Compare the temperature of the vehicle inlet and charger outlet to identify the source of heat (vehicle side or charger side).
- Measure and record actual charging time.

02 CP (Control Pilot) Voltage & Duty Check

- Verify the CP voltage sequence and proper signaling.
- Check CP circuit for open/short conditions.
- Confirm allowable charging current based on CP Duty values.
- Compare actual charging current with the set current to identify abnormalities.

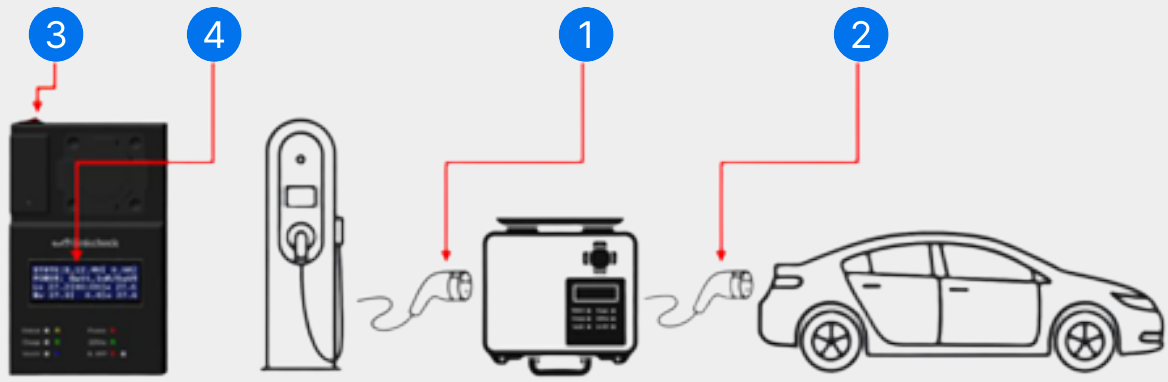
03 Charger–Vehicle Communication Check

- Verify output signals to the vehicle inlet (relay, proximity signal, etc.).
- Check proper operation of the charger outlet switch.
- Inspect charger and vehicle pin contact conditions.
- Detect pin deformation, burn marks, contamination, or poor contact.
- Confirm connector insertion depth, locking status, and overall connection stability.

linkcheck

See Safety with Your Own Eyes !!!

Installation Order

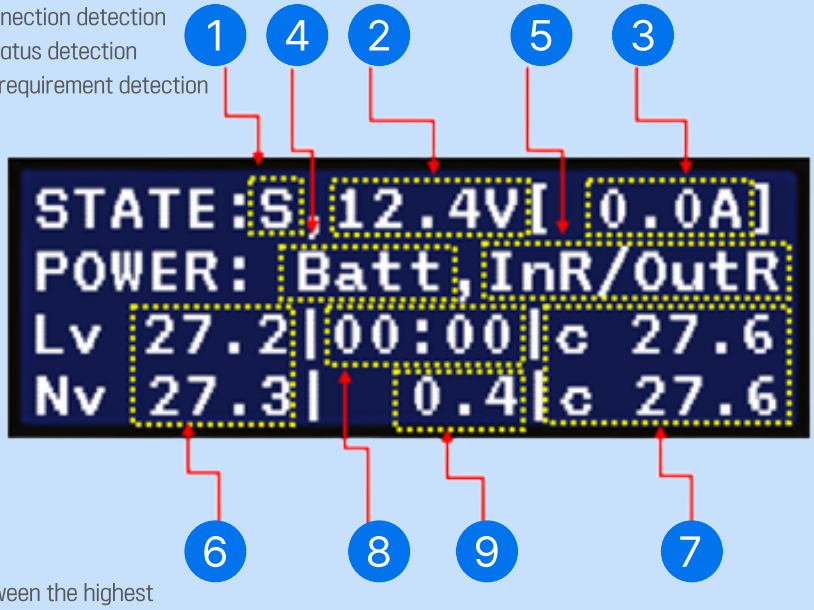


linkcheck

1. Displays inspection progress, CP voltage, current values, and connector pin temperatures.
2. Indicates Detect, Charge, and Ventilation operations, as well as Buzzer OFF status and LED indicators.
3. Equipped with a battery power activation switch.
4. Includes a socket for connecting the charger outlet.
5. Includes a plug for connecting to the vehicle inlet.

1. **Detect Switch (Amber LED)**
   - Simulates initial vehicle-charger connection
   - RCP–PE: 2.74 kΩ
   - Reference CP Voltage: 9 V ± 1 V
   - Tester recognition range: 7.5 V–10.4 V
2. **Charge Switch (Green LED)**
   - Simulates "Ready-to-Charge" status
   - RCP–PE: 882 Ω (parallel 1.3 kΩ)
   - Reference CP Voltage: 6 V ± 1 V
   - Tester recognition: 4.5 V–7.4 V
3. **Ventilation Switch (Blue LED)**
   - Simulates ventilation requirement
   - RCP–PE: 246 Ω (parallel 270 Ω)
   - Reference CP Voltage: 3 V ± 1 V
   - Tester recognition: 1.5 V–4.4 V
4. **Power (Red LED)**
   - Indicates system power ON
5. **220Vac (Green LED)**
   - Indicates AC input detected (110 V–220 V)
6. **B.OFF (Red Switch)**
   - Booster OFF function in case of alarm after AC power is applied

S: Charger outlet → Tester inlet
D: Vehicle connection detection
C: Charging status detection
V: Ventilation requirement detection



1. **State Indicators**
2. **CP voltage (CP–PE signaling)**
3. **Set / output current**
4. **Power supply status**
5. **Inlet/Outlet connection status**
6. **Vehicle connector temperature**
7. **Charger connector temperature**
8. **Charging duration**
9. **Temperature deviation**
   - Shows the difference between the highest and lowest detected temperatures
   - Larger deviation indicates possible connector pin malfunction

an online seller

PLUG IN HOME

Order and consultation calls

044-998-0046

Weekdays 09:00–18:00 (Closed on holidays)

Plug-in Home Link Check
Electric Vehicle Charging Tester

- Reliable domestic manufacturing
- Two-year free service
- LED front display for real-time charger status
- KC Certification: R-R-LT01-LKCK22050R1

www.linktech2010.co.kr

LINKTECH (주)링크텍

6-15 Deokjeolchangmal-gil, Hyangnam-eup,
Jeongnam-myeon, Hwaseong-si, Gyeonggi-do
TEL : 031.224.0734 / FAX : 031.377.0735
E-MAIL : linktech2013@wireharness.co.kr