

**FLUKE®**

## eMobility

As the electric vehicle (EV) market accelerates, so do the needs for electric vehicle supply equipment (EVSE) from installation to critical infrastructure maintenance.

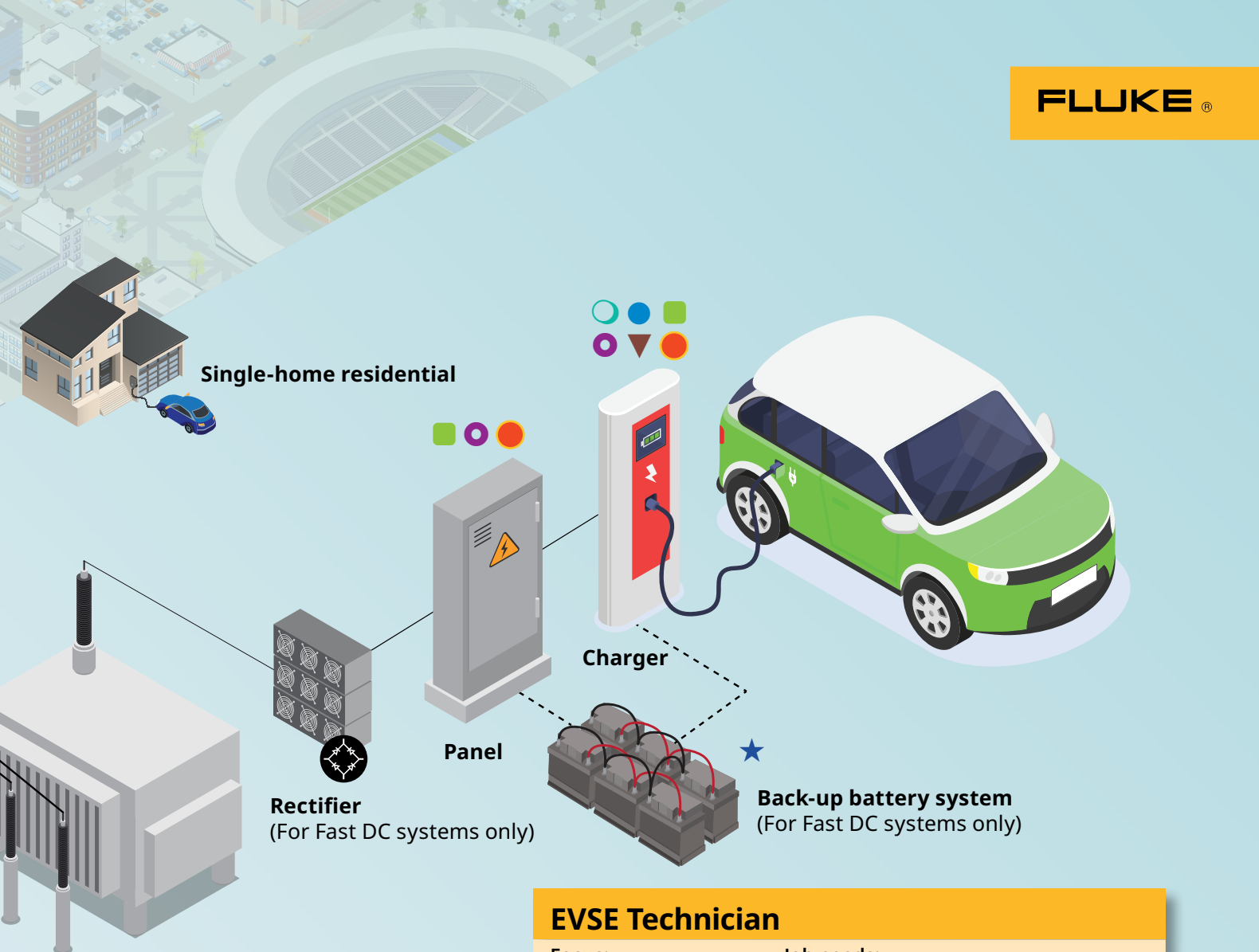
Fluke offers a range of eMobility solutions including electrical testers, insulation testers, thermal cameras and EVSE testers to help you perform fast, accurate measurements for efficient routine checks and troubleshooting of EVSEs, all while providing the highest level of safety.



## eMobility/Utility solutions

Learn how Fluke solutions can save you time and money while increasing your productivity at [www.fluke.com](http://www.fluke.com).

| EVSE                                                                                | Electrical testing tools                                                            |                                                                                     |                                                                                     |                                                                                       |                                                                                       | Power quality                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| EVSE test adapter                                                                   | Digital multimeter                                                                  | Oscilloscopes                                                                       | Multifunction tester                                                                | Clamp meter                                                                           | Insulation multimeter                                                                 | Power quality analyzers                                                               |
|  |  |  |  |  |  |  |



## EVSE Technician

### Focus:

- Lead preventative maintenance
- Troubleshooting
- Monitoring
- Installation

### Job needs:

- EVSE test adapter
- Digital multimeter
- Clamp meter
- Oscilloscope
- Insulation and power quality
- Thermal imager
- ★ Battery analyzer
- ▼ Earth ground
- Insulated hand tools

| Thermal imager                                                                     | Battery analyzer                                                                    | Earth ground                                                                        | Accessories                                                                         |                                                                                      |                                                                                       |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Thermal imager                                                                     | Battery analyzer                                                                    | Earth ground clamp                                                                  | Backpack                                                                            | Insulated hand tools                                                                 | Proving unit                                                                          |
|  |  |  |  |  |  |

# Recommended eMobility/Utility Solutions

## EVSE Test Adapter

### Best suited for:

- Checking protective earth for correct wiring and functioning.
- Testing safety circuits and simulating errors verifying operation is within safety standards.
- Testing the charging states with CP state simulation.



## Oscilloscopes

### Best suited for:

- Checking the charging states and duty cycle of an EVSE.
- Visualizing the EVSE frequency.
- Ensuring charging communication protocol between the EVSE and EV is accurate.



## Power Quality Analyzers

### Best suited for:

- Checking power cables running to the station.
- Ensuring correct voltage feeding into the EVSE is accurate and load is balanced.



## Multifunction Testers

### Best suited for:

- Pairing with the FEV100/300 to perform more in-depth circuit analysis.
- Measuring how long for circuit to open and exact current when the circuit trips.



## Digital Multimeters

### Best suited for:

- Pairing with the FEV100/300 checking output voltages of EVSE charging states.
- Pairing with the FEV100/300 using the DMM in Duty Cycle function to check maximum charging current.



## Earth Ground Testers

### Best suited for:

- Measuring the leakage current flowing through the system.
- Performing ground tests in places that were previously difficult where there is no access to soil to place auxiliary test stakes.



## Insulation Testers

### Best suited for:

- Performing insulation measurements on EV charging wiring and installations.
- Pairing with FEV100/300 to test output insulation of the charging station.



## Thermal Imagers

### Best suited for:

- Scanning electrical cable connections to verify a connection.
- Detecting hot or cold spot anomalies, which may be potential issues (excl.: loose connection).
- Provides a safe, non-contact first-line preventive maintenance tool.



## EVSE Analyzers

### Best suited for:

- Full performance and safety check for AC EV Charging installations.
- Pairing with compatible TruTest software for documentation and reporting of inspections.



## Genuine Accessories

### Best suited for:

- Provides a safe method to verify that your electrical test tool is operating properly before and after you conduct any live tests.
- Verifying functionality, making this unit a simple-to-use solution for complying with TBT verification of your test tool.

