



## MOBILE ENERGY SOLUTIONS FOR ENHANCED RELIABILITY, RESILIENCY, AND ELECTRIFICATION

# Mobile EV Charger and Tester



A mobile multi-purpose, electric-vehicle (EV) charger and emulator for testing and calibration of dc fast chargers. The solution can also be utilized for emergency charging of EVs.

Testing of electric-vehicle chargers both prior to installation and in the field is key in providing reliable charging sessions for the EV owners and supporting the move towards electrification of transportation.

## Features



**Mobile platform offers easy transport to site.**



**EV charger testing** provides type test, interoperability, functional and accuracy testing.



**EV emulation** uses a comprehensive library for representing EV charging patterns and charge processes.



**Mobile EV charging** includes onboard medium-power EV dc fast charger with battery supply providing EV charging capability.

## Specifications

### EV emulation and EVC tester:

- Power range (charge): 80-125 kW
- Maximum dc current: 280 A
- Voltage range: 320-700 Vdc
- NIST traceable: up to 30 A
- Measurement accuracy:
  - Current/Voltage: 0.1%
  - Power/Energy: 0.3%.

### EV charger:

- Plug type: CCS1
- DC fast charging: 25 kW to 30 kW
- Power/capacity rating: 50 kW, 100 to 200 kWh.

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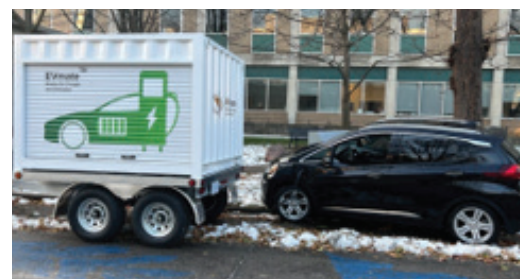
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## Applications

### A1 - Mobile EV charging

Emergency charging services as part of roadside assistance.



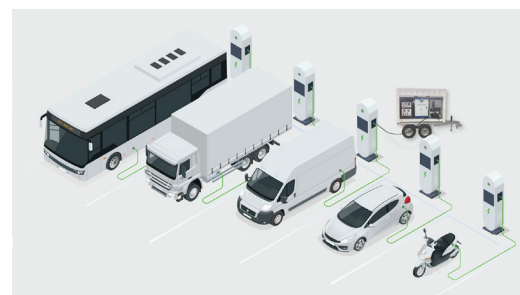
### A2 - EV charger testing

Field testing, commissioning and maintenance support for EV charger installations plus accuracy testing and calibration of EV chargers.



### A3 - Mobile backup power

Backup power for customer supply during an outage.



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