

Electric Vehicle Supply Equipment (EVSE) Test Report: Eaton

EVSE Features

LED status lights

EVSE Specifications

Grid connection	Plug and cord NEMA 14-30
Connector type	J1772
Test lab certifications	ETL listed
Approximate size (H x W x D inches)	10 x 15 x 5
Charge level	AC Level 2
Input voltage	208 VAC to 240 VAC
Maximum input current	30 Amp
Circuit breaker rating	40 Amp

Test Conditions¹

Test date	10/24/2011
Nominal supply voltage (Vrms)	240.37
Supply frequency (Hz)	60.00
Initial ambient temperature (°F)	58

Test Vehicle^{1,3}

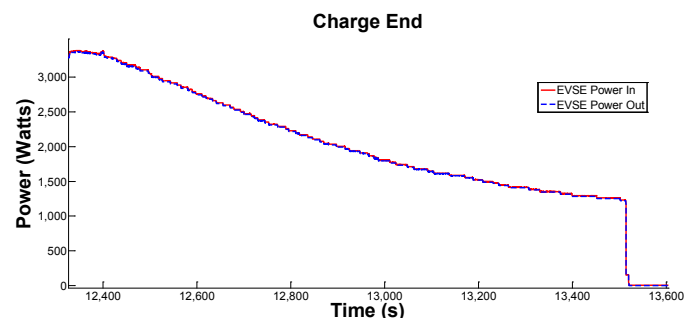
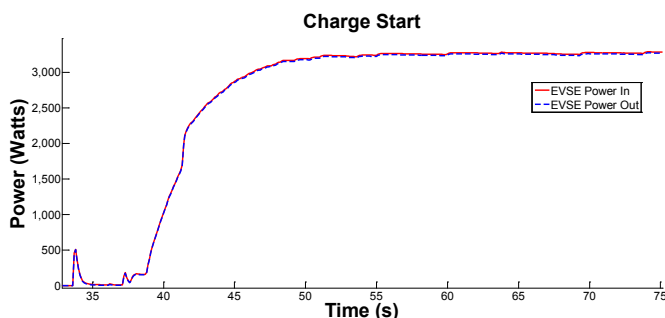
Make and model	2011 Chevrolet Volt
Battery type	Li-ion
Steady state charge power (AC kW)	3.33
Maximum charge power (AC kW)	3.37

EVSE Test Results^{1,2,4}

EVSE consumption prior to charge (AC W)	3.2
EVSE consumption during steady state charge (AC W)	17.4
EVSE consumption post charge (AC W)	2.8
Efficiency during steady state charge	99.48%

EVSE Tested

Eaton Residential Wall-Mount Unit
AC Level 2
Model No. EVSE L2 30 C L B W



NOTE: Charge start and charge end power demand curves are dependent upon the vehicle

Features and Specifications Reference: http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=PA0EV00001E

- Hioki 3390 Power Meter used for all current and voltage measurements
- Measurements were taken at EVSE grid connection and J1772 connection
- Steady state charge power is the most common power level dictated by the vehicle during the charge
- Steady state charge refers to the portion of the charge when power was greater than or equal to steady state charge power