

Electric Vehicle Supply Equipment (EVSE) Test Report: AeroVironment

EVSE Features

LED status light

EVSE Specifications

Grid connection	Hardwired
Connector type	J1772
Test lab certifications	UL, cUL, CE, CTick listed
Approximate size (H x W x D inches)	12 x 12 x 8
Charge level	AC Level 2
Input voltage	208VAC to 240 VAC
Maximum input current	30 Amp
Circuit breaker rating	40 Amp

Test Conditions¹

Test date	1/31/2012
Noiminal supply voltage (Vrms)	235.68
Supply frequency (Hz)	60.00
Initial ambient temperature (°F)	58

Test Vehicle^{1,3}

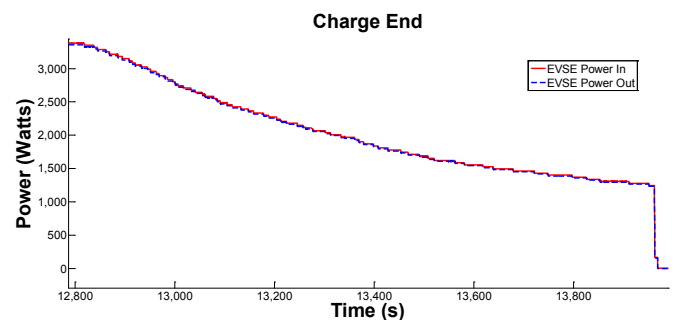
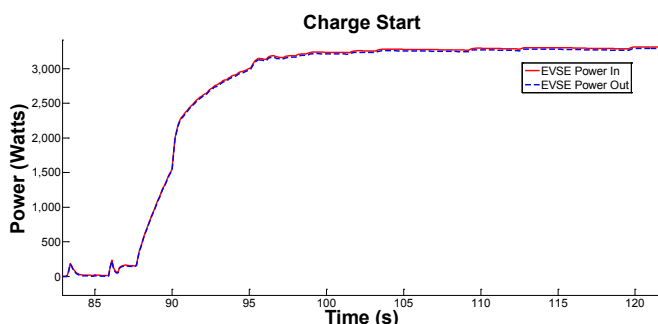
Make and model	2011 Chevrolet Volt
Battery type	Li-ion
Steady state charge power (AC kW)	3.34
Maximum charge power (AC kW)	3.39

EVSE Test Results^{1,2,4}

EVSE consumption prior to charge (AC W)	5.11
EVSE consumption during steady state charge (AC W)	22.77
EVSE consumption post charge (AC W)	5.0
Efficiency during steady state charge	99.33%

EVSE Tested

AeroVironment Residential Wall-Mount Unit
AC Level 2
Model No. EVSE-RS



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

Features and Specifications Reference: http://evsolutions.avinc.com/uploads/products/2_AV_EVSE_RS_B2B_061110.pdf

- 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