Electric Vehicle Supply Equipment (EVSE) Test Report: Blink

EVSE Features

Touch screen
Backlit screen
User charge scheduling via PDA, internet, and touchpad
PLC, WiFi, cellular, LAN communications
Web-based bi-directional data flow

EVSE Tested

Blink Residential Wall-Mount Unit
AC Level 2
Model No. we-30cire

EVSE Specifications

Grid connection	Plug and cord NEMA 6-50
Connector type	J1772
Test lab certifications	UL listed
Approximate size (H x W x D inches)	18 x 22 x 6
Charge level	AC Level 2
Input voltage	208VAC to 240 VAC +/- 10%
Maximum input current	30 Amp
Circuit breaker rating	40 Amp

Test Conditions[1]

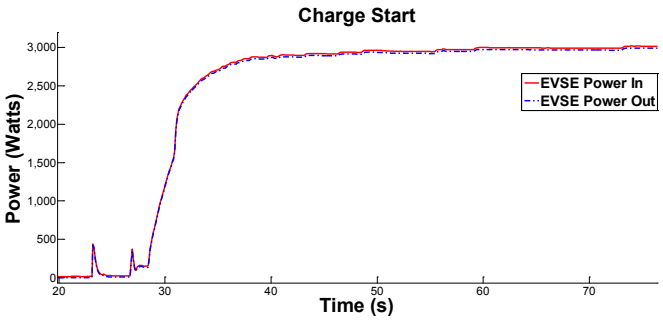
Test date	10/12/2011
Nominal supply voltage (Vrms)	210.6
Supply frequency (Hz)	60.00
Initial ambient temperature (°F)	88

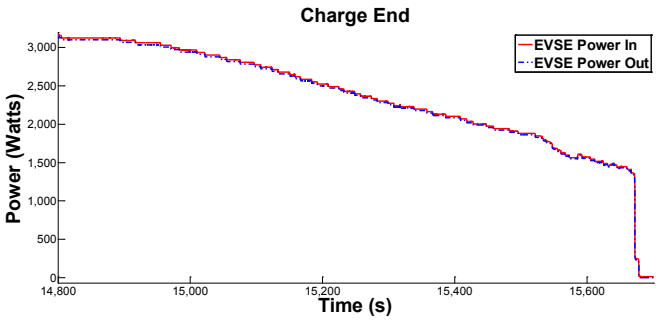
Test Vehicle[1,3]

Make and model	2011 Chevrolet Volt
Battery type	Li-ion
Steady state charge power (AC kW)	3.12
Maximum charge power (AC kW)	3.30

EVSE Test Results[1,2,4]

EVSE consumption prior to charge (AC W)	13.4
EVSE consumption during steady state charge (AC W)	25.6
EVSE consumption post charge (AC W)	12.5
Efficiency during steady state charge	99.19%





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

Features and Specifications Reference: http://www.blinknetwork.com/media/kit/Blink%20L2%20Wall%20Mount%20Charger.pdf

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