Production EVSE Fact Sheet: DC Fast Charger: Hasetec

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid connection</td>
<td>Hardwired</td>
</tr>
<tr>
<td>Connector type</td>
<td>CHAdeMo</td>
</tr>
<tr>
<td>Approximate size (H x W x D inches)</td>
<td>38 x 69 x 21</td>
</tr>
<tr>
<td>Charge level</td>
<td>DC Fast Charge</td>
</tr>
<tr>
<td>Input voltage</td>
<td>480 VAC - 3 Phase</td>
</tr>
<tr>
<td>Isolation Transformer¹</td>
<td>75 kVA</td>
</tr>
<tr>
<td>Maximum input current²</td>
<td>120 Amp</td>
</tr>
</tbody>
</table>

### Test Conditions

- Test date: 10/23/2012
- Supply frequency (Hz): 60
- Initial ambient temperature (°F): 85

### Vehicle Charged

- Make and model: 2011 Nissan Leaf
- Battery type: Li-ion
- Initial Leaf ESS State of Charge³: 9%
- Final Leaf ESS State of Charge³: 86%

### DCFC Test Results³, ⁴

- Peak Power draw from Grid (AC kW): 53.1
- Energy from grid (AC kWh): 15.0
- Peak Charge Power to Leaf ESS (DC kW): 47.1
- Energy delivered to Leaf ESS (DC kWh): 13.3
- Charge time (min:sec): 31:40
- Overall Charge Efficiency (480VAC to ESS DC): 88.7%

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1. HPS Sentinel dry type Isolation Transformer
2. Manufacture specification = 125A max; this installation is configured to 120A max due to supply restrictions
3. Vehicle CAN message data acquisition and Hasetec DC output watthour meter used for DC measurements
4. Square D WattHour meter used for 480VAC energy measurement on feed to transformer