

# EmiratesGreen

الامارات الخضراء لتجارته المعدات الكهربائية والميكانيكية  
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# Declaration of Conformity for SmartHarvest Series Charge Controllers

## Purpose

The intent of this document is to specify that the SmartHarvest models listed in the Scope below conform to the following standards for photovoltaic power systems.

This document supersedes any previous declarations for these SmartHarvest models.

## Scope

SmartHarvest models covered by this Declaration of Conformity include the following.

- SCCM20-100
- SCCM10-100
- SCCP10-050
- SCCP05-050



### IMPORTANT:

This Declaration of Conformity covers only the models listed above. This Declaration does not cover any other models.

These charge controllers are tested to certain limits for acceptable voltage and power inputs based on standard solar photovoltaic panels. The models listed here are validated through compliance testing.

## Directives

- RoHS: Directive 2011/65/EU — *"The restriction of the use of certain substances in electrical and electronic equipment"*  
**This product is CE compliant for all applications.**
- EMC: 2004/108/EC — *Electromagnetic Compatibility*
- Low Voltage Directive: 2006/95/EC — *"Electrical equipment designed for use within certain voltage limits"*

## Certifications

This product is tested / certified to the following standards:

- IEC 62109-1:2010 — Safety of Power Converters for use in Photovoltaic Systems (2010)
- EN 61000-6-1:2007 — EMC Standard: Immunity for Residential, Commercial, and Light-Industrial Environments
  1. EN 61000-4-2:2009 (contact: level 2 ( $\pm 4$ KV), AIR: level 3 ( $\pm 8$ KV))
  2. EN 61000-4-3:2006+A2:2010 (80- 1000MHz, level 2 (3V/m), 1.4 – 2.7GHz, level 2 (3V/m))
  3. EN 61000-4-4:2012 (signal ports: level 1 ( $\pm 0.5$ KV))
  4. EN 61000-4-6:2009 (signal ports: level 2 (3KV))
  5. EN 61000-4-8:2010 (level 2 (3A/m), continuous field)
- EN 61000-6-3:2007+A1:2011— EMC Standard: Emissions for Residential, Commercial, and Light-Industrial Environments

I hereby certify that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable requirements.

Babu Jain, Managing Director

NavSemi Energy

Date: July 10, 2015

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