

# SolarCert

Comprehensive PV installation, operation and maintenance software for analysis, reporting and certification.



This dedicated program enables PV system installers to quickly and easily analyze the performance, efficiency and safety of PV systems and modules using measurements taken from the Seaward PV200 or PV210.

The software is easy-to-use and provides a simple checklist of items to enable PV system information and reports including certificates, system specifications and performance information to be compiled in accordance with the IEC 62446 standard.

Electrical measurements (from the PV200 / PV210), irradiance and temperature data (from the SS200R) are easily imported via USB download to the software. SolarCert uses this data to effortlessly produce electrical test certification, and includes I-V curve analysis and reporting features to allow detailed performance analysis of PV systems and modules.

I-V curves and power curves can be displayed, showing measurements for multiple strings on a colour graph. A user-defined selection of curves can be viewed simultaneously for simple comparison of string performance.

Data can be converted to standard test conditions (STC) using the irradiance and temperature data. Once converted to STC, the data can be displayed alongside the manufacturer's data, allowing a direct comparison of actual vs. predicted performance. Unique data points can be displayed on the graphs, so that measurements can be read directly from I-V and power curves for numerical or visual comparisons to be made. Graphical reports display I-V and power curves for any number of PV strings and can be easily published to PDF.

**SolarCert** is available to buy online, and you can download your free 14 day trial from [seawardsolar.com/solarcert](http://seawardsolar.com/solarcert)

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**TESTED, TRUSTED... WORLDWIDE.**



## Why buy SolarCert?

- > Intuitive and easy to use
- > Display individual I-V curves on one or many String Test Reports
- > Display multiple I-V curves on one Summary Report for easy performance comparison
- > Display I-V and power curves
- > Built-in database containing manufacturer's data for thousands of PV modules
- > Convert measured data to STC for direct comparison with manufacturer's data
- > Generate PDF reports with I-V curve graphs
- > Generate PV array test reports, inspection reports and verification certificates



**SEAWARD**  
ELECTRICAL SAFETY TESTING & MEASURING

# SolarCert

Comprehensive PV installation, operation and maintenance software for analysis, reporting and certification.

## Key Features:

### Display multiple I-V curves on one graph for easy performance comparison

Quick and easy visual comparison of I-V curves captured from identical strings in a PV system, allowing any underperforming strings to be easily identified.

### Display I-V and power curves

Identified performance issues by easily comparing I-V curves and power curves on-screen.

### Built-in database containing manufacturer's data for thousands of PV modules

A comprehensive built-in database can be used to make direct comparison between field measurements and the performance predicted by the manufacturer's published data.

### Convert measured data to STC for direct comparison with manufacturer's data

Using irradiance and temperature data captured by the Solar Survey 200R and stored in the PV tester memory, measured data can be converted to STC data for direct comparison with the manufacturer's published data. This provides an assessment of actual performance against expected performance.

### Generate PDF reports with I-V curve graphs

PDF reports showing I-V curves and power curves can be produced at the press of a button, so that data can be easily shared by email or turned into professional reports for clients.

### Generate PV array test reports, inspection reports and verification certificates

Quickly and easily produce electrical test certification and system diagrams for inclusion in client handover packs, as required by certification schemes and by the IEC 62446 standard.

## Technical Specification:

SolarCert is supplied as an online download and the licence on a card, which is then used to activate the software.

### SolarCert Free Trial

Download your free 14 day trial at [www.seawardsolar.com/solarcert](http://www.seawardsolar.com/solarcert)

### Part Number:

SolarCert licence card - 389A950



SOLARCERT

## System Requirements:

- > Processor speed 1GHz or higher
- > Microsoft Windows 7/Windows 8/ Windows 10
- > 32 & 64 bit operating systems
- > 1GB RAM or higher
- > 50MB available hard disk space
- > Colour monitor with 32 bit colour or greater video card

Not compatible with Mac OS



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Rev 1

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