



SEAWARD
ELECTRICAL SAFETY TESTING
& MEASURING.

What happens if the irradiance changes during an I-V curve measurement?

Ideally, if the real life irradiance is constant, the I-V curve will be a straight line. In reality, however, there are many factors that can influence the I-V curve. One of the most common is a change in irradiance during the measurement. This can happen due to a number of reasons, such as a change in the sun's position, a change in the weather, or a change in the distance between the solar panel and the sun. If the irradiance changes during the measurement, the I-V curve will be distorted. This means that the power output of the solar panel will be lower than it would be if the irradiance was constant. This is why it is important to ensure that the irradiance is constant during an I-V curve measurement. If you are unable to do this, you should repeat the measurement at a different time of day or in a different location.

If you require more help, please contact us at <https://www.seaward.com/gb/enquiry/>.