



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, the irradiance can change during the measurement. This is because the irradiance can change due to a number of factors, such as the sun moving or clouds passing over the solar panel. If the irradiance changes during the measurement, the I-V curve will be distorted. The shape of the I-V curve will depend on the direction of the change. If the irradiance increases during the measurement, the I-V curve will be shifted upwards. If the irradiance decreases during the measurement, the I-V curve will be shifted downwards. In both cases, the shape of the I-V curve will be distorted. Therefore, it is important to ensure that the irradiance is constant during the measurement. This can be done by using a solar simulator or by measuring the I-V curve in a controlled environment.

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