



# SATELLITE-BASED PERFORMANCE RATIO

A PV system's performance ratio (PR) is the ratio between actual production of a PV system and received solar irradiation on-site, and is used to evaluate system quality. A common way to measure received solar irradiation is to deploy environmental sensors at the PV site. The downside of using sensors to measure received solar irradiation is that sensors require installation, calibration, and maintenance, all at a cost to the system owner. Sensors have a short warranty period, and therefore need to be replaced over the course of a PV system's lifetime.

SolarEdge has teamed up with Solargis, a solar energy assessment service, to provide **Satellite-Based PR for PV systems of all sizes**, offering reliable, easily viewable data via the SolarEdge monitoring platform for just cents a day.

# KEY BENEFITS



Eliminates sensor purchasing, installation, maintenance, cleaning and replacement costs



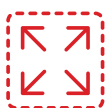
Prevents possible inaccurate measurements taken by soiled sensors



Provides accuracy comparable to irradiance sensors\*



Offers daily and monthly PR calculations



Supports multiple tilts and orientations, no need to install multiple sensors on-site

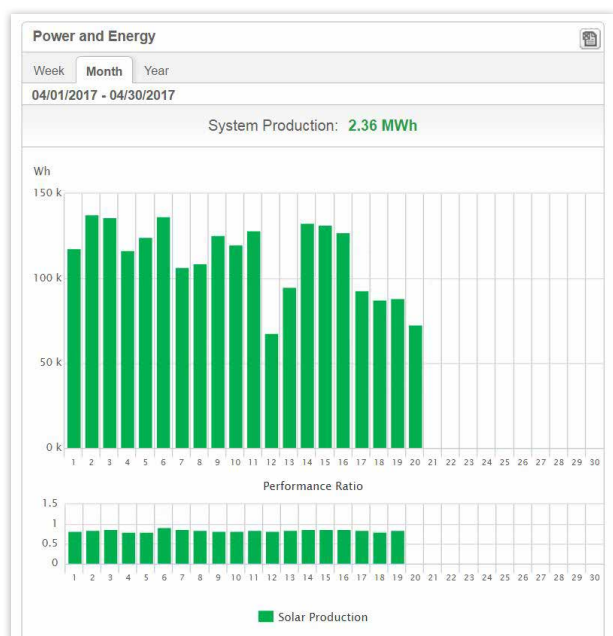


Provides up to 12 months of historical PR data

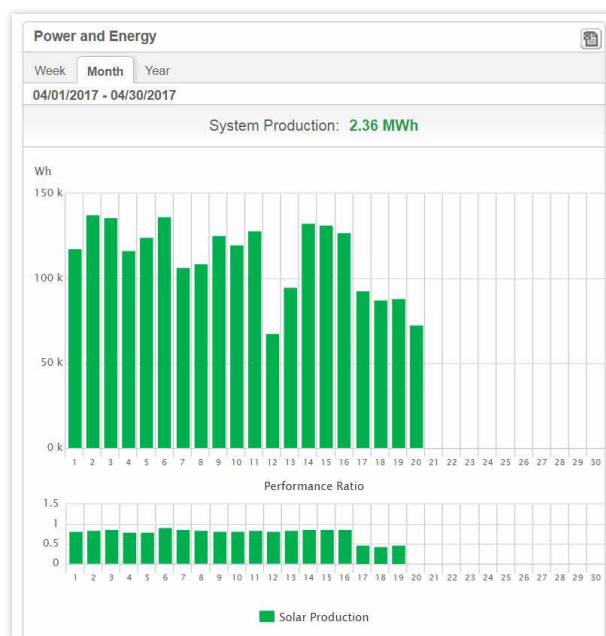


Seamlessly visualised on the dashboard of the SolarEdge monitoring platform

Coverage map



Example of a normally functioning PV site as seen on the SolarEdge monitoring platform.



Example of a site with low PR indicating a problem as seen on the SolarEdge monitoring platform.

To order: [solared.ge/satellite-pr-aus](http://solared.ge/satellite-pr-aus)

\* According to Solargis' PR calculations which are based on GTI estimates. Additional information on Solargis accuracy available at: <http://solargis.com/support/knowledge-base/accuracy/combined-uncertainty/>