


Analytics Portal

Measure, Correlate, Predict.

Expert data monitoring & analytics available in real-time

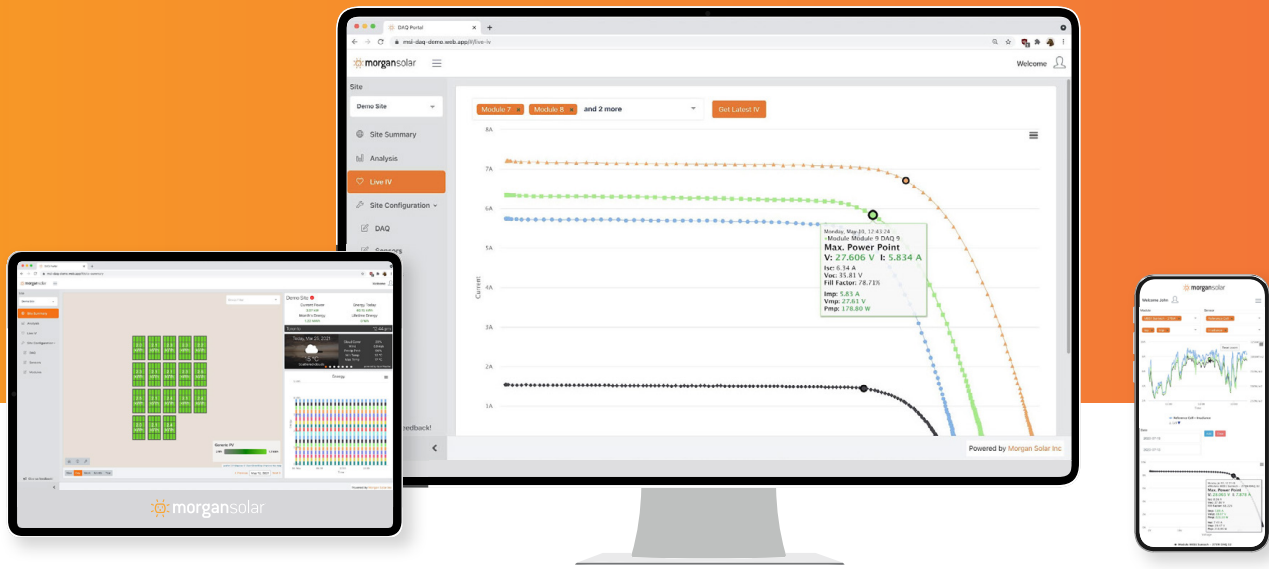
The cloud-hosted Analytics Portal provides access to analysis of data acquired by the IV DAQ, enabling intuitive diagnostics and troubleshooting. The Analytics Portal also integrates meteorological data, making it possible to adjust real time measurements to STC, and to measure aggregate panel performance against warranty lines.

The creation of a digital twin of a solar plant is possible using the Analytics Portal, unveiling its DC health and enabling better assessment, diagnostics and forecasting to an unprecedented degree of accuracy. A digital twin can also validate and characterize performance of new technologies such as bifaciality, leading to improved bankability, and better project design and operation.



The screenshot shows the Morgan Solar Analytics Portal interface. It includes a sidebar with navigation options like 'Site Summary', 'Analysis', 'Live IV', 'Site Configuration', 'DAQ', 'Sensors', and 'Modules'. The main area displays a graph of IV curves for 'Module Module 1 DAQ 1' with parameters like Imp, Pmp, and Vmp. A callout box shows the 'Max. Power Point' with values: V: 25.549 V, I: 5.392 A, Isc: 5.89 A, Voc: 32.71 V, Fill Factor: 88.48%, Imp: 5.39 A, Vmp: 25.55 V, Pmp: 170.44 W. The interface also features filters for Module, Sensor, and Date, and a legend for the data series.

- Select the module and parameters to display**: Callout pointing to the Module and Sensor dropdown menus.
- Collect and correlate sensor data**: Callout pointing to the Date and Data dropdown menus.
- Set the time frame to be viewed**: Callout pointing to the Date input field.
- Plot the parameters you have selected**: Callout pointing to the graph area.
- Observe changes in performance over customized periods of time**: Callout pointing to the legend and graph area.
- Select times to view module IV curves**: Callout pointing to the Date input field.
- View IV parameters and data points**: Callout pointing to the Max. Power Point callout box.
- Download the data**: Callout pointing to the download icon in the bottom right corner.



Imports From:

- MSI IV DAQ Tracers
- Weather stations
- Spectral sensors*
- Non-MSI Data Sources
- Pyranometers
- And more!
- Reference Cells

Panel Degradation Monitor



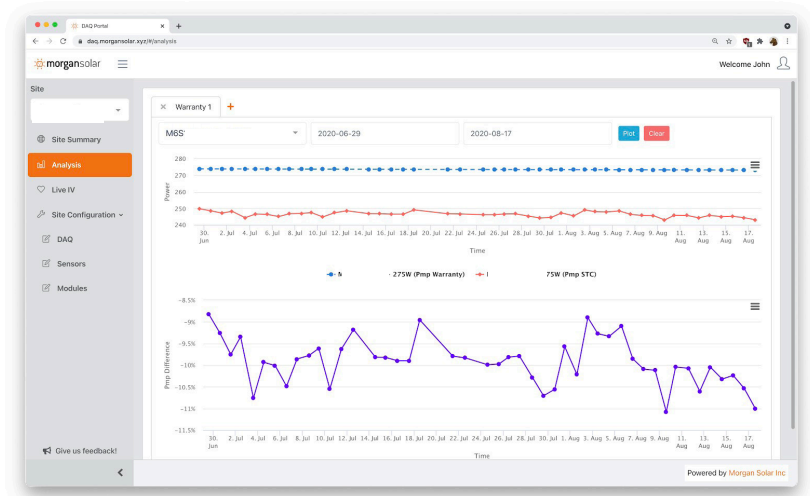
Compare implied STC performance against the aged performance guarantees of your module.



Identify greater-than-warrantied degradation before it hits your bottom line



Quickly obtain robust data from a wide array of weather conditions to assess your claims' validity



Unlock actionable insights using our hardware software duo

What gets measured gets improved

Measure DC health to pinpoint and resolve issues quickly and efficiently

Correlate with meteorological data to characterize in-field performance with no downtime

Predict future performance and make informed decisions starting today

To find out more: morgansolar.com/daq

