Automatic Weather Station AWS810 Solar Edition

Product Spotlight

VAISALA

Unlock lifetime solar power plant efficiency with smart solar irradiance and weather monitoring.

The smart, secure and future-proof Vaisala Automatic Weather Station AWS810 Solar Edition combines reliable measurements with data collection, processing and connectivity so you can optimize every stage of your solar power plant for maximum performance.

Key benefits

Advanced data management enables unrivaled scalability, security and intelligent data quality control.

Compatibility with Vaisala sensors, third-party equipment and data services solutions allows for seamless, flexible integration.

Modern, comprehensive security keeps data intact and prevents breaches.

AWS810 Solar Edition is highly efficient with enhanced network management through remote diagnostics, updates, control and configuration management.

Why Vaisala?

We are innovators, scientists, and discoverers who are helping fundamentally change how the world is powered. Vaisala elevates wind and solar customers around the globe so they can meet the greatest energy challenges of our time. Our pioneering approach reflects our priorities of thoughtful evolution in a time of change and extending our legacy of leadership.

Vaisala is the only company to offer 360° of weather intelligence for smarter renewable energy, nearly anywhere on the planet. Every solution benefits from our 85+ years of experience, deployments in 170+ countries, and unrivaled thought leadership.

Our innovation story, like the renewable energy story, continues.

AWS810 Solar Edition is a generational leap for solar irradiance and weather sensing. High-quality sensor data is included for global, diffuse and reflected solar irradiance including all key weather parameters, plus soiling sensors. The accurate, always-on and long-lasting design is IEC 61724-1 compliant and purpose-built to be trusted for a solar power plant's entire operational lifespan.

The robust, modular design includes turnkey options for plug-and-play ease, while remote diagnostics reduces maintenance time with low life-cycle costs. Secure, end-to-end network management and comprehensive system security enables trusted weather observations — from hardware design to user interface including remote software updates.

Automatic Weather Station AWS810 Solar Edition System components

AWS810 Solar Edition includes turnkey components for the most common solar power plant needs with different sensor configurations. Get exactly what your solar farm needs with options ranging from from a single GHI or GTI measurement to fully-equipped solar weather stations.