

Solar Monitoring Meters



AVH-16-TI Multi Function Meter Panel Mount
 Accessed by Network or Internet via Gateway

MFM-14DC VOLT/AMP DC Panel Meter
 Power & Energy Applications

The pairing up of AVH-16-TI (AC multi-function panel mount meter) and MFM-14DC (DC Volt/Amp panel meter) for solar projects allows users to monitor both the DC side (from the solar panels to the inverter) as well as the AC side (from the inverter to the grid or loads) thus providing an all-in-one solution for improved efficiency, diagnosing issues, as well as a comprehensive view of the system's performance.

Users would get a comprehensive view of solar generation, energy conversion efficiency, and grid output, enhancing performance monitoring, troubleshooting, and system optimisation. This setup is ideal for both residential and commercial solar installations where efficiency, real-time data, and system health are essential for solar monitoring performance.

The MFM-14DC meter focuses on the DC side of the system, accurately measuring the power output directly from the solar panels. Meanwhile, the AVH-16-TI meter monitors the AC output from the inverter, with the added advantage of cloud connectivity for remote data accessibility and performance tracking. Used together, these two meters provide a complete view of the system operations; from sunlight capture to usable AC output.

The pairing of these two meters allows users to detect system function issues quickly, plus compare DC input with AC output, to calculate efficiency in real-time, and remotely monitor the status from anywhere. It simplifies troubleshooting, reduces downtime, and provides detailed energy data that can be used for performance verification and long-term analysis. Both meters are built for high accuracy, flexibility, and resilience in demanding energy environments, with easy integration into various panel setups.

The result is not just better solar monitoring, but a smarter, and more responsive solar energy system that delivers consistent performance and makes scaling up simple. Whether you're a solar installer, OEM, or system operator, the pairing of meters MFM-14DC and AVH-16-TI offers a progressive approach to energy management.

Boost your solar system's efficiency today by pairing AVH-16-TI and MFM-14DC meters for unparalleled solar monitoring and control. Get in touch with our sales team for more information.

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