

Application note



Subject:
Real-time energy flow monitoring in PV and Hybrid Systems

Industry:
DER

Product:
EM600 series

Customer:
OEMs, System integrators, Installers

CUSTOMER ISSUE

Operators of photovoltaic and hybrid energy installations require precise and connected devices to monitor energy flows in real time and enable remote diagnostics.

Key priorities include:

- **Accurate import/export** energy metering
- **Local access to data** for system optimization and performance analysis
- **Easy integration** into microgrid and energy management control architectures

OUR SOLUTION

The EM600 B enables accurate bi-directional energy measurement, making it ideal for photovoltaic and hybrid systems.

Equipped with HTTPS REST API communication and self-powered operation, it offers maximum flexibility in installation while ensuring secure and reliable data access for monitoring and control systems.

BENEFITS

- **Compatible** with PV and energy storage inverters
- **100 ms refresh rate** for real-time data acquisition
- **SUNSPEC certified** for seamless integration into energy management systems
- **DHCP and mDNS support** for fast plug'n'play network connection