

## OWON Expands WiFi and Zigbee Smart Energy Meter for Energy Monitoring and Solar Management Applications

New smart energy meters help homeowners, businesses, and system integrators monitor electricity consumption, solar production, and energy efficiency in real time.



Xiamen, Fujian May 31, 2026 ([Issuewire.com](http://Issuewire.com)) - As a leading [Smart Energy Meter supplier](#) and OEM/ODM manufacturer, OWON Technology is helping customers improve energy visibility through WiFi and Zigbee-based energy monitoring solutions. With increasing focus on energy efficiency, solar self-consumption, and intelligent building management, smart meters are becoming an essential

component of modern energy management systems.

The global transition toward renewable energy and electrification is creating growing demand for real-time energy monitoring solutions. Homeowners, commercial building operators, utilities, and system integrators are looking for practical ways to monitor electricity consumption, optimize energy usage, and gain better control over distributed energy resources.

To support these requirements, OWON Technology continues to expand its portfolio of WiFi and Zigbee smart energy meters designed for residential, commercial, and industrial applications.

The company's smart meter product family includes single-phase, split-phase, three-phase, and multi-circuit monitoring solutions. These products are designed to help users monitor electricity consumption, solar power generation, and energy storage systems while supporting integration with broader energy management platforms.

OWON's WiFi smart energy meter portfolio includes solutions such as the PC311, PC321, PC341, and PC473 series, which support real-time monitoring of voltage, current, active power, power factor, frequency, and energy consumption. Selected models also support bidirectional energy measurement, allowing users to track both grid energy usage and solar energy production.

For larger energy monitoring projects, the PC341 multi-circuit energy monitor enables users to monitor whole-home consumption as well as up to sixteen individual branch circuits. This capability provides detailed energy visibility for applications such as solar installations, HVAC systems, lighting circuits, EV charging systems, and commercial facilities.

In addition to WiFi-based products, OWON also offers Zigbee smart energy meters designed for local wireless networking and smart building integration. Supporting Zigbee 3.0 communication, these devices can be incorporated into home energy management systems, building automation projects, and IoT platforms where reliable local connectivity is required.

Many of OWON's smart meters use clamp-type current transformers, allowing installers to deploy the devices without modifying existing electrical wiring. This non-intrusive installation approach helps reduce installation time, minimize disruption, and lower deployment costs for retrofit projects.

As solar energy systems and home battery storage become increasingly common, energy monitoring has evolved from a convenience feature into a critical requirement. Smart energy meters enable users to understand energy flow, optimize self-consumption, reduce electricity costs, and improve the overall performance of renewable energy systems.

Beyond standard products, OWON provides OEM and ODM development services for equipment manufacturers, energy solution providers, utilities, and system integrators. The company supports hardware customization, firmware development, communication protocol integration, and complete IoT system deployment based on customer requirements.

Founded in 1993, OWON Technology has developed a comprehensive portfolio of smart energy management, HVAC control, and IoT automation products. The company's solutions are used in residential, commercial, hospitality, utility, and smart building applications across global markets.

According to OWON, future energy management systems will increasingly rely on connected devices capable of collecting, analyzing, and sharing energy data in real time. By combining smart metering

technology with IoT connectivity, organizations can make better operational decisions while improving sustainability and energy efficiency.

### About OWON Technology

OWON Technology is an ISO 9001:2015 certified OEM/ODM manufacturer specializing in smart energy management, HVAC control, smart building, and IoT automation solutions. The company provides WiFi and Zigbee smart energy meters, thermostats, sensors, gateways, and integrated IoT platforms for distributors, system integrators, utilities, equipment manufacturers, and energy solution providers worldwide.

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