



Unified Interoperable Platform
The only unified platform that seamlessly integrates with balance-of-system components (inverters, string combiners, environmental systems) from a wide-range of manufacturers.

High-Performance Architecture
Field-tested, scalable and secure architecture enables reliable real-time revenue-grade energy monitoring and management.

Multi-Vendor Compatibility
Modular design enables extensibility of the platform to support wide range of applications from residential use to utility environments.

High Performance Plant Data Management for Distributed Power Plants

The Aurora Universal Revenue Grade is a customer premises data management platform for renewable energy plant operations, revenue-grade metering, and smart grid integration. The Aurora Universal platform is designed specifically to provide a fully integrated set of capabilities to manage multi-vendor distributed plant environments. Together with Aurora Vision and Fat Spaniel Prime plant management SaaS platform it helps simplify operational management and ensure availability of distributed and complex plant portfolio from a single point of control.



Aurora Vision Solution
Out-of-box integration with Aurora Vision SaaS platform allows fast and easy enablement of plant operations management.

Multi-Protocol Support
Standards-based support for Modbus/RTU, Modbus/TCP, SunSpec and vendor-specific plant network interfaces as well as Ethernet and Internet (HTTP, TCP/IP) wide-area network interfaces

Design for Reliability
The revenue grade appliance is packaged in weatherproof NEMA enclosure to ensure reliable operations in extreme environments.



Aurora Universal Systems Product Family

The Aurora Universal System product line features three models:

- Aurora Universal Revenue Grade: optimized for high-accuracy management and energy metering for power plants (or parts of plants) of up to 2 MW in capacity
- Aurora Universal Industrial: optimized for continuous monitoring of popular string and central Inverter models and brands
- Aurora Universal Residential: optimized for continuous monitoring of popular residential inverter models and brands

Aurora Universal Systems are typically coupled with the Aurora Vision SaaS Platform for plant management, regulatory reporting, and green marketing. When combined, they provide a complete web-enabled renewable energy management solution.

Aurora Universal Revenue Grade

The Aurora Universal Revenue Grade model is designed for power plants (or sections of plants) of 30 KW to 2 MW capacity that require high-performance data management, multi-vendor interoperability, revenue-grade metering, and compatibility with the Fat Spaniel SaaS Platform for plant operations management. The Aurora Universal Revenue Grade utilizes the 5A meter style, which comes in five standard current ranges of 50 Amp, 100 Amp, 200 Amp, 400 Amp, and 600 Amp.

System Highlights

- Aurora Compute Platform featuring Fat Spaniel® Open Premise Platform data management software
- High frequency data sampling (often configured at a one minute average)
- Modbus/RTU, Modbus/TCP, SunSpec and vendor-specific plant network interfaces
- Ethernet and Internet (HTTP, TCP/IP) wide-area network interfaces
- Integrated Revenue Grade meter (meets the ANSI C.12 standard for 2% accuracy)
- 5A CTs allowing for a wide range of current sizes (ordered separately)
- CT shorting block to allow safe and secured CT installation
- Inner diameters of standard CTs range from 1" to 3" (specials can be ordered)
- Input instrument power ranges from 90 - 575 VAC
- Outdoor NEMA enclosure with dimensions of 13.8" x 15.5"
- Operates in temperatures ranging from -20 degrees C to +60 degrees C
- UL and CE listed
- Cellular, satellite, or dial-up router options are available (dial-up only available for government customers)



Aurora Universal Industrial

The Aurora Universal Industrial model offers all the same capabilities as the Aurora Universal Revenue Grade model, but without the revenue-grade meter. The Aurora Universal Industrial is designed for commercial and utility-grade plants (or sections of plants) that require high-performance data management, multi-vendor interoperability, and complete compatibility with the Fat Spaniel energy intelligence solution.

System Highlights

- Aurora Compute Platform featuring Fat Spaniel® Open Premise Platform data management software
- High frequency data sampling (often configured at a one minute average)
- Modbus/RTU, Modbus/TCP, SunSpec and vendor-specific plant network interfaces
- Ethernet and Internet (HTTP, TCP/IP) wide-area network interfaces
- Outdoor NEMA enclosure with dimensions of 13.8" x 15.5"
- Operates in temperatures ranging from -20 degrees C to +60 degrees C
- UL and CE listed
- Cellular, satellite, or dial-up router options are available (dial-up only available for government customers)

Aurora Universal Residential

The Aurora Universal Residential model is functionally similar to Aurora Universal Industrial, but is designed for indoor installation and use with inverters of 10 KW capacity or less.

System Highlights

- Aurora Compute Platform featuring Fat Spaniel® Open Premise Platform data management software
- High frequency plant data sampling (often configured at a one minute average)
- Modbus/RTU, Modbus/TCP, SunSpec and vendor-specific local network interfaces
- Ethernet and Internet (HTTP, TCP/IP) wide-area network interfaces
- Indoor NEMA enclosure with dimensions of 8" x 7"
- Operates in temperatures ranging from +10 degrees C to +50 degrees C
- UL and CE listed
- Cellular router option is available

Compatible Equipment

- Advanced Energy/ PVPowered: All Models
- Fronius: IG and IG+ Single and Three-Phase
- Kaco: xi Series
- Power-One: All Models
- Satcon: PowerGate Gen1 and Gen2
- SMA: Sunny Boy, Sunny Central, SMA WebBox
- Solectria: PVI models
- SunSpec-compatible equipment
- Xantrex: GT Series, PV Series

For More Information

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