



## **Continental Control Systems Intersolar 2013 New Product Overview July 9-11, Booth 8236**

### **Continental Control Systems:**

3131 Indian Road  
Boulder, CO 80301  
USA

### **Company Contact:**

Cynthia A. Boyd  
Director of Sales  
Tel: +1 (303) 444-7422  
Email: [cynthiab@ccontrolsys.com](mailto:cynthiab@ccontrolsys.com)

### **Agency Contact:**

Carolyn Archambault  
Redpines  
Tel: +1 (450) 534-9980  
Email: [carolyn@redpinesgroup.com](mailto:carolyn@redpinesgroup.com)

### **About Continental Control Systems:**

Founded in 1995, Colorado-based Continental Control Systems specializes in electric power metering and inverter monitoring equipment. The company's meters and current transformers are designed to provide revenue-grade electrical measurements including power (kW) and energy (kWh) through a variety of communication protocols including BACnet<sup>®</sup>, Modbus<sup>®</sup>, and LonWorks<sup>®</sup> or as pulse outputs. Applications for the *WattNode*<sup>®</sup> meter and Accu-CT<sup>®</sup> current transformers include measurement and verification of energy production, energy and power consumption measurement for building automation and energy shed, tenant submetering and net metering.

All Continental Control Systems products are listed or recognized by Underwriters Laboratories Inc. for use in both the United States and Canada.

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### **Continental Control Systems Featured Product Highlights at Intersolar 2013:**

#### ***WattNode*<sup>®</sup> Electric Power Meters — Now With a Revenue-Grade Option**

At Intersolar 2013, Continental Control Systems will highlight its recently announced line of revenue-grade electric power meters, the *WattNode*<sup>®</sup> *Revenue*, along with its revenue-grade, split-core current transformers. The *WattNode Revenue* meters are fully tested, compliant to C12.1, and considered to be the most economical revenue-grade meters on the market. Because of their price point and compact design, *WattNode Revenue* meters are an ideal OEM design-in for PV production monitoring.

*WattNode Revenue* meters are designed for use in any application requiring revenue-grade accuracy and revenue-grade requirements, which are usually required by each state. The meters meet the

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accuracy requirements of ANSI C12.1 and support the Modbus<sup>®</sup>, BACnet<sup>®</sup>, or LonTalk<sup>®</sup> communications protocol or a pulse output. These compact and cost-effective energy and power meters complement the company's line of high-accuracy, revenue-grade current transformers (CTs). *WattNode Revenue* meters are designed for 120/208/240 Vac or 277/480 Vac applications and are UL- and CE-marked. Each meter is calibrated using NIST-traceable equipment following the procedures specified by the ANSI C12.1 metering standard, and each is supplied with a certificate of calibration. In addition to revenue-grade, bidirectional energy (kWh) metering, the networkable *WattNode Revenue* meters provide dozens of additional measurements: bidirectional power, demand, peak demand, reactive power, voltage, current, power factor, and line frequency.

The standard line of *WattNode* energy meters provides line-powered single- and three-phase, wye, or delta configurations of up to 600 Vac and loads to 6000 Amps. The newest member of the family, the *WattNode* BACnet meter — recently 100 percent tested and listed by the BACnet Testing Laboratory (BTL) — supports full self-discovery of the meter and all of its objects, offering more than 50 electric power-related measurements, 64 addresses, and selectable baud rates of up to 76.8K.

The *WattNode* Pulse Opt.PV, another member of the standard line, offers an innovative way to receive three independent pulse outputs from a single meter, thus measuring energy from the grid, (energy consumed), energy from the inverter (energy produced), and the bidirectional energy being returned to the grid (net energy).

“The price point and capability of the PV meter are outstanding. The Pulse *WattNode* with the PV configuration replaces three meters in one for under \$200.” — **Cynthia A. Boyd, director of sales at Continental Control Systems**

**Photo Link:** [www.redpinesgroup.com/CCS/ModbusRevenue.zip](http://www.redpinesgroup.com/CCS/ModbusRevenue.zip)

**Photo Caption:** Continental Control Systems ModbusRevenue

**Literature Link:** [www.redpinesgroup.com/CCS/WattNodePulse.zip](http://www.redpinesgroup.com/CCS/WattNodePulse.zip)

**Literature Caption:** Continental Control Systems *WattNode*<sup>®</sup> PulsePV

### **CTL Series Revenue-Grade, Split-Core Current Transformers**

Now shipping along with the *WattNode*<sup>®</sup> *Revenue* line of revenue-grade electric power meters are the company's ACT and CTL line of revenue-grade, split-core current transformers (CTs). Both lines provide IEEE C57.13 Class 0.6 revenue-grade accuracies along with a UL listing for energy management equipment in accordance with UL 916 and CSA C22.2 No. 610010-1. The result is current transformers for use on loads to 400 Amps that combine the ease of installation of an opening current transformer with the accuracy normally associated with solid-core current transformers. With their 333.33 mVac output, they are an ideal companion to the *WattNode*<sup>®</sup> *Revenue* meter for revenue-grade electric power metering applications.

**Photo Link:** [www.redpinesgroup.com/CCS/CTL.zip](http://www.redpinesgroup.com/CCS/CTL.zip)

**Photo Caption:** Continental Control Systems CTL Series Revenue-Grade, Split-Core Current Transformers

**Additional Product Information:** [www.redpinesgroup.com/CCS/Datasheets.zip](http://www.redpinesgroup.com/CCS/Datasheets.zip)

### **Company Quote:**

“Now that we are tested and compliant to ANSI C12.1 accuracy, our *WattNode Revenue* and Accu-CT current transformers are the design-in choice for all PV production metering and net metering applications.”

— **Cynthia A. Boyd, director of sales at Continental Control Systems**