

NEW!

PACKETPOWER

WIRELESS DC POWER MONITORING



48V DC POWER MONITORING MADE EASY

Packet Power's wireless power monitors make it easy to monitor 48V circuits of any amperage. The small size and use of wireless networking to transmit energy usage information allows for a quick installation.

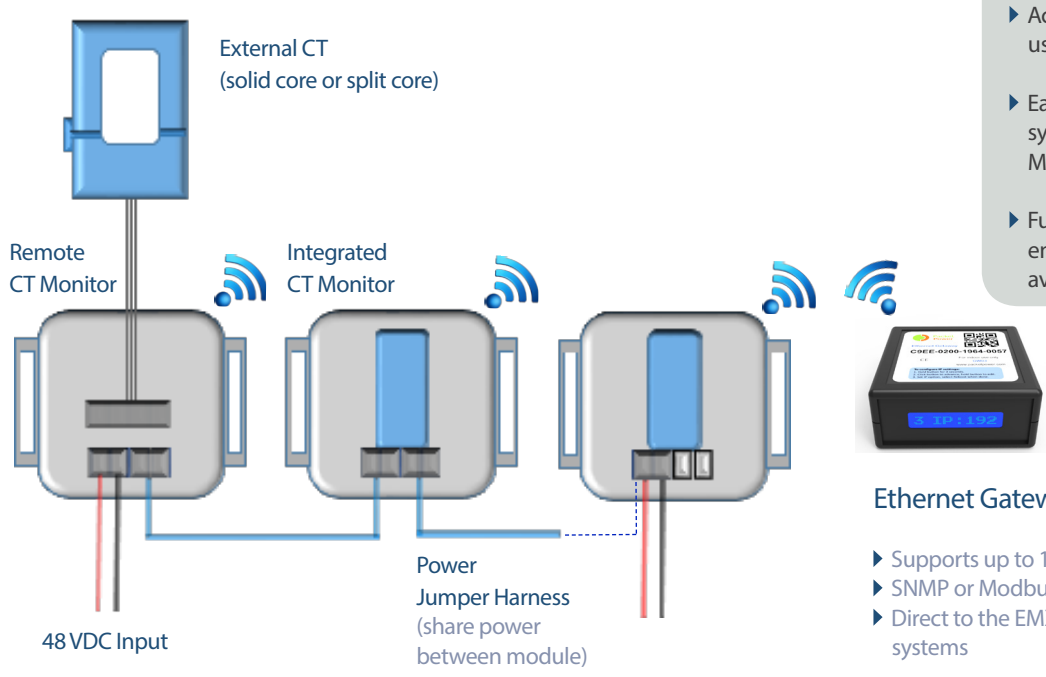
SYSTEM ARCHITECTURE

Each monitor can use its own 48V DC source for both power and voltage sensing or multiple monitors can share a common power source using a daisy chain power harness.

The monitors use Packet Power's robust mesh network technology to communicate data via the Ethernet Gateway to existing monitoring applications or to Packet Power's EMX Energy Portal.

New monitoring units and Gateways automatically join the wireless network making it simple to grow the number of monitoring points over time.

- ### FEATURES
- ▶ Measures current, voltage, power and energy on 24-60V DC circuits
 - ▶ Monitor as few or as many circuits as you want and grow easily over time
 - ▶ Use on circuits from 30 to 3000A with split core and solid core CTs
 - ▶ Self-configuring and self-optimizing wireless network minimizes demands on IT staff
 - ▶ The small size and lack of data networking wires makes installation easy and provides flexibility on where to monitor
 - ▶ Grow easily from a few to a few thousand monitoring points per facility
 - ▶ Highly secure system designed for use in data centers
 - ▶ Wireless technology proven to work in data centers around the world
 - ▶ Access monitoring data instantly using Packet Power EMX Energy Portal
 - ▶ Easily pass data to BMS and DCIM systems that support SNMP or Modbus protocols
 - ▶ Full line of wireless AC power and environmental monitors are also available



Technical Specifications

MEASUREMENT

Monitoring Channels per Device Measurements	One
Accuracy	Current, Voltage, Power (Watts), Energy Usage (Watt hours), Charge (Ah) ⁽¹⁾ ±1.0% accuracy (CT dependent)
Current Transducer (WMCT-D006)	35 or 65 A solid core (8.5 mm window)
Current Transducer (WMCT-D__X)	30-3000 A solid core and split core versions (see CT specification for details)

COMMUNICATIONS

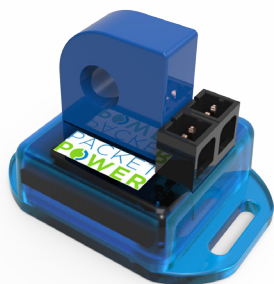
Operating Frequency	2.4 GHz
Wireless Network Protocol	Frequency hopping self-configuring load-balancing mesh
Data output (Gateway)	SNMP and Modbus TCP/IP protocols
Firmware updates	Wireless
Typical transmission range	5 to 20 meters indoors between any two devices in mesh network
Antenna	Fully enclosed, fixed configuration
Monitoring Unit to Gateway Ratio	Up to 150 monitoring units per gateway with unlimited Gateways per site
Multi-site support	Yes
Encryption	128-bit encryption

OPERATING ENVIRONMENT AND MECHANICAL AND POWER SUPPLY

Operating Temperature	0° to +75° C (+32 °C to +167 °F)
Operating Humidity	10% to 90% non-condensing
Water and dust resistance	NEMA 1 / IP20 (indoor use)
Module size	Base: 52mm x 35mm x 15mm H (with mounting tabs) Max Height: 42 mm
Input Voltage Range	24-60 VDC
Power Consumption	<0.6 W

1) Ah and import / export (+/-) measurement is optional. Current and power measurement is directional (+/-). Energy import and export (Wh) and charge import and export (Ah) are measured independently.

System Components



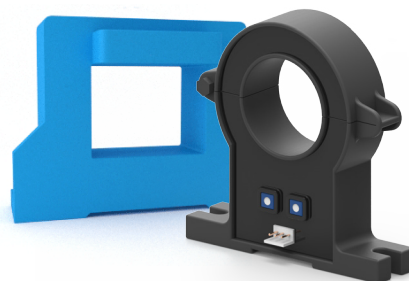
Wireless Power Monitor (WMCT-D006)

- ▶ Integrated 65 A CT
- ▶ Reports V, A, W, Wh and Ah¹



Wireless Power Monitor (WMCT-D__X)

- ▶ Connects to external split core or solid core CTs (30-3000 A)
- ▶ Reports V, A, W, Wh and Ah¹



External Current Sensors

- ▶ Solid core, split core and core versions
- ▶ 30-3000 A

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