

PACKETPOWER

HIGH-DENSITY POWER MONITOR

10x the Circuits. Zero Extra Space.

Revolutionizing power monitoring with 10x the capacity in the same compact size...

Meet the Highest-Density Monitor on the Market!

- **Compact**
Monitor more circuits using less space.
- **Fast & Easy To Install**
Installs in less than half the time. Plug & play, modular, with minimal cabling.
- **Scalable & Flexible**
Monitor up to 120 circuits with just one meter; expand anytime. Mix single-phase, split-phase, wye, and delta circuits of varying amperages.
- **Seamless Integration**
Natively integrates with EMX & third-party systems (Modbus, SNMP, MQTT, BACnet).
- **Industry-Leading Availability**
Made in the USA with the fastest lead times and outstanding support.
- **Embed Anywhere**
Fits easily in PDUs, RPPs, Power Strips, Switchgear, and more.

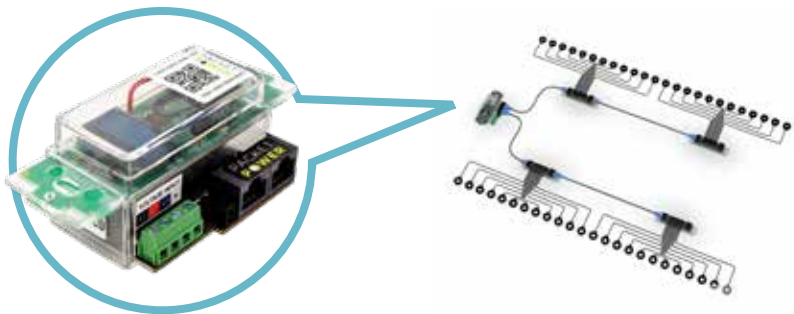


120 Circuits in 4 Inches.

Monitoring Made Easy®

Small & Mighty

Packet Power’s High-Density Power Monitor is a game changer—monitoring up to 120 circuits without increasing footprint. Its modular, plug-and-play design makes installation quick and easy, with less cabling and unparalleled flexibility. This compact powerhouse redefines what’s possible in full power monitoring.



High-Density Power Monitoring System

The High-Density Power Monitor eliminates bulky hardware, complex wiring, and lengthy installations. Its modular simplicity supports both wired and wireless connectivity—including secure, air-gapped environments. Magnetically snap into place—**no tools, no complexity!**



106 x 45 x 40 mm
(4.2 x 1.8 x 1.6 in)

High-Density Power Monitor

Input Voltage	Model	Max CTs
120/240/480V AC	HD-24-3	24 + 3
	HD-36-3	36 + 3
	HD-48-3	48 + 3
	HD-72-3	72 + 3
	HD-84-3	84 + 3
	HD-96-3	96 + 3
	HD-108-3	108 + 3
	HD-120-3	120 + 3

Industry Applications

- Branch Circuit Monitoring
- Multi-Circuit Monitoring
- Submetering
- Real-Time Monitoring
- Panel Monitors
- Metered Billing
- Energy Benchmarking
- IT Telemetry
- Power Usage Effectiveness
- Retrofit Power Monitoring

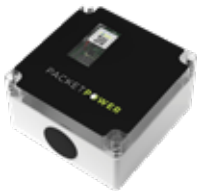
Hardware Applications

- Embedded Panel Monitoring (Branch Circuit, Submeter)
- Embedded rPDUs with Outlet Level Monitoring
- High-Density AI-Driven Installations
- Retrofit Existing Systems
- Custom/OEM Systems

Enclosure Options



Double Gangbox
114 x 114 x 70 mm
(4.5 x 4.5 x 2.75 in)



NEMA
160 x 160 x 97 mm
(6.3 x 6.3 x 3.8 in)

PPBus Cable



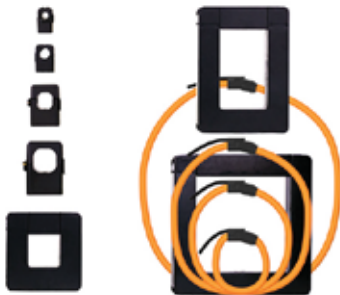
12 Current Sensor Module



Current Sensor Connections



Current Sensors



Power Supply



How It Works

Packet Power's already renowned, simple installation just got even simpler. The modular High-Density Power Monitoring system quite literally snaps into place—**no tools, no complexity**. Complete your installation in just 3 easy steps!

3 EASY STEPS

1. Attach Current Sensors

Attach the sensor around the wire and snap the Current Sensor Connections into the 12 Current Sensor Module.

2. Connect the Sensor Modules & Power Supply

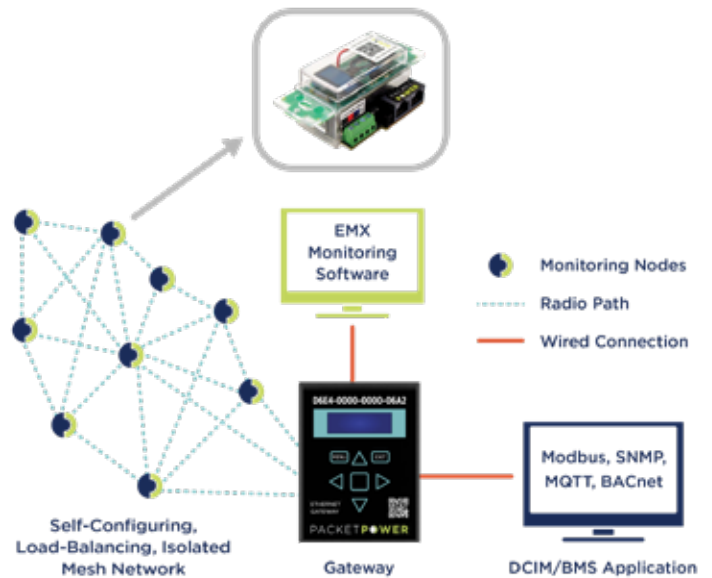
Connect the 12 Current Sensor Modules to the High-Density Power Monitor using the provided PPBus Cables, and place power supply where it is convenient for you.

3. Get Instant Data

Connect to your preferred DCIM/BMS Application and begin your journey to operational efficiency!

Simple, Seamless Integration

Connect wirelessly to our proprietary mesh protocol via EMX or any DCIM/BMS application using standard protocols.



Monitoring Made Easy®

Why Packet Power?

Packet Power makes it easy and affordable for facilities managers to get the data needed to lower costs, minimize risks and improve operational effectiveness.



**Wired + Wireless
Options Available!**

- Capacity Planning
- Real-Time Monitoring + Alerts
- Revenue Generation
- Cooling + Air Flow Optimization
- Preventative Maintenance
- CapEx Efficiency
- Regulatory + SLA Compliance
- Power Efficiency
- Customer + 3rd Party Reporting

Visit PacketPower.com/HD to learn more!

Current Transformers

Split Core CTs

Inside Diameter	Rated Amperage
10 mm	15, 30, 50
16 mm	100
24 mm	100, 200, 300
36 mm	200, 300, 400, 600
50x50 mm	400, 600, 800
75x125 mm	300, 600, 800
150x150 mm	800, 1000, 1200, 1600, 2000, 3000, 4000

*Additional current ratings available

Rogowski Coils

Inside Diameter	Coil Length	Typical Amperage
68 mm	250 mm	100A to 1,000A
147 mm	500 mm	400A to 3,000A
211 mm	700 mm	1,000A to 5,000A
306 mm	1000 mm	2,000A to 10,000A

Solid Core CTs

Inside Diameter	Rated Amperage
9 mm	35
15 mm	60
32 mm	200, 400



DCIM/BMS Applications Supported

- Direct to EMX (Cloud, or On-Prem)
- Modbus
- SNMP
- MQTT
- BACnet

Technical Specifications

Measurement

Measurements	Full Power: V, A, VA, W, Wh, Power Factor, Hz, IR Pulse Output
Accuracy	± 1.0% (CT Dependent); ± 0.5% Available
Input Voltages	100-240V 1ph, 120/240 Split-Phase, 120/208V, 240/415V, 277/480V
Current Range	15A to 10,000A
Frequency	50/60 Hz

Wireless + Wired Communication Options Supported

Module to Gateway Wireless Connection

Wireless Network Protocol	Frequency Hopping Self-Configuring Load-Balancing Mesh
Operating Frequency	860-930 MHz and 2.4 GHz (frequencies vary by region)
Wired Network Protocols	HTTPS to EMX running locally or as cloud service; Modbus; SNMP V1/V2c/V3; MQTT; BACnet
Firmware Updates	Wireless
Typical Transmission Range	10-30m Indoors Between Any 2 Devices in Mesh Network
Antenna	Fully Enclosed, Fixed Configuration
Monitoring Unit to Gateway Ratio	100 Devices Per Gateway with Unlimited Gateways Per Site
Multi-Site Support	Yes
Encryption	HTTPS; Optional 128-Bit Wireless AES
Local Display	Volts, Amps, Wh and Communications Status (Varies By Model)

Gateway to LAN Wired Connection

Wired Ethernet	10/100/1000
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Gateway to LAN Wireless Connection

Wireless Network Protocol	WiFi
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Gateway to WAN Wireless Connection

Wireless Network Protocol	4G LTE Cellular
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Environmental + Mechanical

Operating Environment	0°-75°C (32°-167°F); 5%-95% Non-Condensing
Water & Dust Resistance	NEMA1/IP20 (Indoor Use); NEMA 4 Enclosure Available
Power Usage	Less than 1W
Certifications	UL Listed, CE, FCC Part 15 and Other Standards



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Made in the USA 

PacketPower.com/HD