

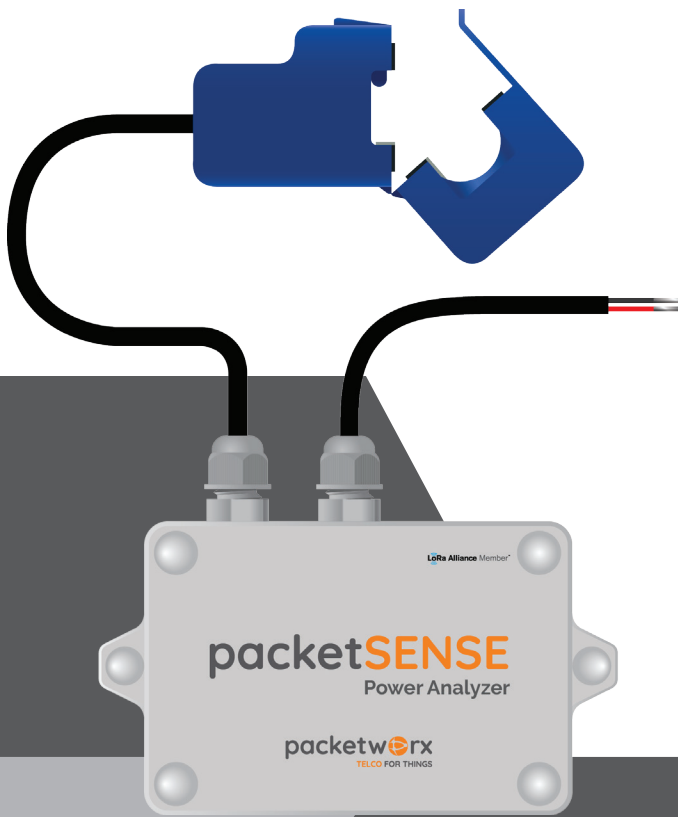
packetSENSE

Power Analyzer

The **packetSENSE Power Analyzer** is an easy-to-use IoT device that monitors and records power consumption readings from an AC load. It does this by accumulating readings of Voltage, Current, Power and Energy using the built-in memory of a PZEM module.

The information is sent to a central location via LoRaWAN[®], which allows for the monitoring of usage of various appliances, equipment, and other electronic devices.

The simplistic design provides consumer ease when using the device, as it only requires you to use it like an extension cord. **packetSENSE Power Analyzer** measures power consumption allowing users to manage their power consumption, identify appliances or equipment with high energy consumption, and ultimately save on power expenses.



Features

- Standalone AC powered device
- Wireless
- Non-invasive power monitoring
- LoRaWAN[®] compatible
- Optimized as IoT end-node
- Records power consumption of the load

Applications

- Power Management Systems
- Smart Building
- Facility monitoring
- Asset monitoring

Technical Specification

LoRa

Device	S76S
Integrated MCU	STM32L073xZ
Integrated RF IC	SX1276
Frequency	868Mhz
Antenna	external
Range	Up to 15k
RF Power	+25dBm

PZEM-004t-100A

Measuring Accuracy	0.5%
Voltage Range/Resolution	80-260 V / 0.1 V
Current Range/Resolution	0-100 A / 0.001 A
Real Power Range/Resolution	0 - 23 kW / 0.1 W
Energy Range/Resolution	0 - 9999.99 kWh / 1 Wh

Electrical Characteristics

Power Source	220V AC
Quiescent Current	
Active Current	

Physical Characteristics

Operating Temperature	0°C to 70°C
Storage Temperature	-45°C to 85 °C
Protection Grade	IP68
Dimension	200 x 94 x 45 mm
Setup	Can be: Wall-mounted, Floor-mounted, Adhesive

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