wattwatchers
DIGITAL ENERGY

Auditor 6M

Electricity monitoring for the IoT age

Wattwatchers brought circuit level electricity monitoring to market with the award winning Auditor series.

Wattwatchers' cellular devices provide reliable electricity monitoring for residential and commercial applications using the cloud application of your choice.

Integrating Wattwatchers products into your solution provides granular, reliable monitoring and data access flexibility.

- Applications include:
- Solar monitoring and DER integration
- Building performance and submetering
- Utility services
- Home Energy Management

We're always looking for new use-cases so contact us to discuss your application of the Auditor 6M.

Features

- Real-time energy monitor leveraging cellular communications
- Up to 6 channels of measurement
- Revenue-grade (Class 1 accuracy)
- Suitable for single, two and three phase applications
- Two-pole, 35mm DIN package
- Domestic, commercial and industrial applications
- Device Management System for over-the-air configuration

Options

- Switching for up to three independent circuits via external relay
- Modbus connectivity (coming 4Q2018)

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Specifications
Auditor 6M

Communications	GSM/GPRS/EDGE: Quad band 850/900/1800/1900MHz UMTS/HSPA+: Five band 800/850/900/1900/2100MHz; external antenna
Power Supply	Built in (operates from phase 1) universal power supply
Measurement channels	Up to 6 depending on configuration
Hosting	Wattwatchers (API, applications) hosted on AWS
Device Management	Wattwatchers supports a range of device management features including: Firmware updates Remote network diagnostics Configurable reporting rate
Measurement interval	5 to 150 seconds (configurable)
Energy logging	5 minute intervals; servers request logged data
Logged values	Real and reactive power, min and max voltage and current, frequency
Logging period	30 days of 5 minute data for 6 channels The log is kept current, and used after an operational device has been offline.
Reporting interval	Default 30 seconds, configurable between 5 to 150 seconds
Report contents	Real, reactive energy, voltage, current, frequency
Data volume	18MB/month (30 second data, indicative only)
Protocol	Wattwatchers (see WW-AN002)
Voltage connections	Four pin connector supports three phases and neutral Phase 1 and Neutral are required to power the device and sense P1; Phase 2 and Phase 3 are for measurement only.
Current sensing	Standard CTs: 60A, 120A, 400A, 600A field interchangeable 3000A Rogowski coils must be pre-configuration
Configuration	No network configuration required at install time. All APN settings pre-configured
Product Certifications & Markings	Wattwatchers is a 'Responsible Supplier' under the Electrical Regulatory Authorities Council (ERAC) in Australia - Supplier Code E5258. This Wattwatchers product: - Conforms with all relevant Australian, New Zealand and US standards - Is certified for network connection to the 3G AT&T cellular network in the US (PTCRB) - Conforms with a range of other international Standards relevant to the European Economic Community (including the UK) - Carries a number of marks (UL, CE, FCC) for which NATA registered laboratories have issued test reports We recommend that customers always check conformity against their own jurisdictional, use case or other requirements. **For more information:** Speak to your Wattwatchers contact or email **info@wattwatchers.com.au** Also, see our guide - Wattwatchers Certifications and Markings.

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