

Electricity Meter Monitor

Overview

Monitoring is the first step in efficiently managing your facility's energy use. The WattShaver Meter Monitor adds a simple real-time visualization of how your building is responding to system adjustments, outside temperature, lighting retrofits, and more. An essential part of modern building automation systems, WattShaver takes your programming from one-way inputs to a two-way conversation. In addition to being able to visualize energy savings from unique EMS adjustments and improvements, WattShaver gives you interpreted, timely energy data so you can quickly assess and compare energy performance across your portfolio of sites. Spot trends and savings opportunities, monitor energy use patterns and independently check energy bills. The WattShaver Meter Monitor is non-invasive to install and requires minimal configuration. Install at the main distribution panel, connect to the internet, and begin feeding data into the WattShaver cloud-based analytics platform.



Features and Benefits

Increase building efficiency and cut utility bills

Cloud-based dashboard allows for safe and secure access to your real-time data from anywhere

Smart Analytics: Learn a building's normal energy usage through pattern recognition

Compare week by week, month by month and annual performance

Detect anomalies from recognized patterns and have alerts auto-generated and sent to your team

Evaluate energy peaks to anticipate and program load-shedding

Auto-generate reports set at your cadence so that you don't have to remember to log in to one more system

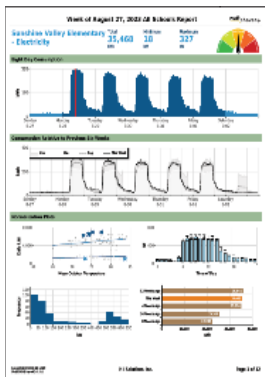
Auto-evaluate EUI per square foot to track your energy conservation goals

Bring all of your buildings under one dashboard portfolio to evaluate high-energy consumers in comparison to the others

WattShaver can also feed directly into your existing BAS through BACnet, Modbus or Network IP

Optional Configuration with cellular modem. Connect remote devices without a LAN. *This option requires the cellular modem package and a low monthly cellular charge*

Expandable: Equipped with a H I Solutions UUC7 controller, expandable digital and analog ports can be set to monitor or control HVAC, temperature sensors, air quality, water meters, lighting, and more.



Application



Measurement Type:

Real-time, True RMS measurement of instantaneous Voltage, Current, Power, Frequency and Power Factor

Service Types:

Single Phase, 3 Phase – Four Wire (WYE) / Three Wire (Delta)

Monitored points:

Voltage: 100-400V AC (L-N), 690 VAC (L-L), Phases A, B & C

Current: 5-6000A range, Phases A, B & C

Line Frequency: 50/60 Hz

Power Factor

Technical Specifications

WattShaver Meter Monitor

016 – 6641 – 301



Enclosure

Dimensions:

18" x 15" x 4"

Mounting:

Stand-alone enclosure

Other Attributes:

Right-side power entry

Door:

Locking, left-hand swing



UC7 With I/O

Dimensions:

061-6711-UC

Power Requirements:

8.38" x 3.5" x 2.5"

Interface:

24V DC

Network RJ45, Modbus RTU,

RS-485 Unitary LAN

Connectivity Options:

100MB ethernet, WiFi, or cellular modem

Addressable:

IP, ULAN

USB Ports:

2X

Mounting:

DIN rail



Power Monitor

Dimensions:

4.25" x 3.54" x 2.74"

Power Requirements:

Line Voltage, 120-277V, (L-N)

Interface:

Modbus RTU

Mounting:

DIN rail

Menu:

LCD Display, two-button interface



Rope CT

Dimensions:

Multiple Options Available:

5.63", 8.13", 11.89", 15.66"

Current Rating:

5-1200A, 12.5-3000A, 25-5000A

Installation:

Clip connect

Wire Lead Length:

6.5ft

WattShaver Meter Expansion Module

016 – 6641 – 201



Enclosure

Dimensions:

15" x 11" x 4"

Mounting:

Stand-alone enclosure

Other Attributes:

Right-side power entry

Door:

Locking, left-hand swing

Note:

UU7 Controller Not Included

About H I Solutions

Since 1974 H I Solutions has provided innovative and cost-effective solutions for building management needs with computer-based automation systems for industrial, commercial, office, retail, educational, and healthcare facilities. Our distribution channels include a network of Independent Distributors, OEM, and National Accounts. Headquartered outside Atlanta, Georgia, H I Solutions is committed to offering quality engineering & performance, low overall cost, and unparalleled customer service.