verifEye™ Energy Submetering Solutions
Applications Guide

Times are tough and building owners and operators face many challenges. At the same time energy costs are on the rise, so are the expectations of commercial and residential tenants. In this environment it is essential to find new ways of holding energy costs down, keeping tenants satisfied, and maintaining profits. Enhancing an organization’s strategic management plan using improved tools to manage one of the largest variable expenses, energy, presents a valuable opportunity to reduce operating expenses.

Here are the facts. Organizations that monitor and manage energy usage are better able to compete, to achieve real savings, and to meet code compliance and building efficiency standards such as LEED, California Title 24 and ASHRAE 90.1. One of today’s most cost-effective energy management tools is submetering. Submetering systems can measure, monitor and even analyze consumption for individual tenants, areas and processes. Armed with this information, managers and occupants can minimize usage of electric, water, gas and other utilities resulting in long-term cost savings that can range from 15 to 20 percent.

In new construction and retrofit projects, Leviton VerifEye™ submetering solutions provide information for:
- Load profiling and benchmarking
- Tenant cost allocation and billing
- Energy conservation
- Building codes and standards
- Measurement and verification
- Green initiatives including LEED certification
- Government mandate compliance
- Building management systems (BMS/EMS) integration

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Measure

Analyze

Improve

Monitor

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New Construction and Retrofit Applications
VerifEye™: Designed to Adapt to Your Needs

For a system to serve as a long-term solution it must accommodate multiple communication protocols and user interfaces and it must be able to address needs that change over time. The open architecture of Leviton’s VerifEye™ submetering solutions ensures that they are flexible enough to handle future upgrades and additions.

VerifEye™ features easy-to-install meters that seamlessly interface with data acquisition hardware to create networks that facilitate communications between multiple parties and platforms. With Leviton submetering you can either implement the entire solution at once, from the start, or roll it out in stages. The modular solutions’ high level of scalability and flexibility minimizes the risks normally associated with the adoption of a new system while also reducing life cycle costs. VerifEye™ is a solution that will adapt to your organization for many years to come.

Leviton VerifEye™ provides complete open protocol solutions that allow simple integration of third party meters and sensors. VerifEye™ also supports multiple industry-standard communication protocols and data transfer methods to allow easy integration of the platform to third party systems. This powerful combination of features represents the most flexible and cost effective energy monitoring solution in the market.

Compatible Communication Protocols
- Pulse output
- Modbus RTU (RS-485)
- Modbus TCP/IP
- BACnet MSTP (RS-485)
- BACnet IP
- TCP/IP, FTP, XML, HTTP, HTTPS

Compatible Third-party Systems
- Energy management systems (EMS)
- Building/facility management systems (BMS/BAS/SCADA)
- Automatic meter reading systems (AMR)

Compatible Interfaces
- Leviton software solutions
- Third-party billing or energy software companies
- Web browser access to data collectors (EMH)
- Energy service companies

Exceptional Design for Reliable and Accurate Energy Management

Although master utility meters adequately capture a broad view of usage, true energy management requires data that is more granular than traditional utility meters can provide. Leviton submeters provide highly accurate information of both energy consumption and demand. Leviton’s VerifEye™ portfolio consists of a broad line of single-phase and three-phase meters (available in both single and multi-point devices), data acquisition technologies and software interfaces to comprise one of the most well rounded product solutions available in the market today. VerifEye™ products serve as the building blocks for highly effective energy management programs and tenant billing applications.

Built-in Excellence Sets VerifEye™ Apart

When devices are designed to meet or exceed industry standards, they are reliable and accurate over the long haul. When engineers keep both the installer and end user in mind, the result is a solution that incorporates key timesaving features and intuitive interfaces, including software tools. A combination of superior construction, design, selection and service enables Leviton VerifEye™ submetering solutions to set new standards of performance and quality.
VerifEye™ System Architecture

The ease in accessing and managing energy information is the key to smart energy usage and cost control. Building owners can benefit significantly from a seamless solution that enables smart metering, meets code compliance requirements, and simplifies the complexities of allocating energy costs and billing tenants. BMO 3.0 gives decision makers the tools to easily implement smart, informed strategies to achieve their unique energy goals, reduce energy waste, optimize operating costs, and increase their bottom line.

BMO Base Module (Web-Based Software)
- Provides a summary of energy profiles to help identify high and low consumption as well as energy patterns for user-defined intervals
- View building status, consumption and alarms
- Export energy usage data and display energy usage graphs

BMO Code Compliance Module (Web-based Software and App)
- Allows a single building to meet code compliance requirements for energy information
- Create virtual meters to report aggregated loads for lighting, HVAC, etc.
- Generate date-based reports for whole building energy sources such as electric, gas, and steam as well as end use category energy users such as lighting, plug load, HVAC and more

BMO Executive Reporting Dashboard Module (Web-based Software and App)
- Link multiple building profiles and view portfolios on multiple Hubs, and set goals for energy usage at the building or portfolio level
- Configure graphical Dashboard to display user-defined data and periods using a wide array of graphical options
- View building information updated in 15-minute intervals — energy usage, measured parameters, cost metrics and more

Tenant Billing Module (Web-based Software)
- Create virtual meters to allocate common area costs
- Establish tenant portfolio and assign any meter to any tenant
- Generate tenant invoices for any user-selected data range
- Create tariffs for future use at the entire building level — simple, tiered or time of use (TOU)
High-Rise Residential MDUs

New Construction Projects

With a VerifEye™ submetering solution utilizing Series 8000 Multiple Point Meters, Leviton can be your single source for a complete tenant metering solution designed specifically to suit high-density applications such as high-rise multiple dwelling units. A solution built around the Series 8000 is especially cost-effective for new construction due to its capacity and flexibility. The “shoe box” sized Series 8000 submeter is easy to install and wire and allows complete flexibility to fit any project design and is configurable for any type of electrical service including:

- 120/208V 1P3W (120/208V 3P4W service at the panel) See detail of Service Panel on page 10
- 120/240V 1P3W
- 120/208V 3P4W

The Leviton Advantage

- Minimal wall space needed in electrical closets and reduced construction costs as compared to traditional metering
- Unique wiring harness minimizes installation labor and material cost (virtually eliminates the need to extend current transformer wires)
- Color coded current transformers to facilitate proper wiring
- Allows interface for water, gas, BTU, etc. meters into single communication system
- Leviton factory technicians provide system startup, programming and training services
- Open architecture provides flexibility to use your choice of third-party billing company or optional VerifEye™ BMO 3.0 Tenant Billing Module web-based software

PUTTING IT ALL TOGETHER
See pages 10-11

*Typical configuration for each service panel location
Repeat system for all floors of Hi-Rise Residential MDU

HD Pulse Module
The HD Pulse Module is a flexible communications component that enables Leviton and third-party meters to be incorporated into the VerifEye™ system. The HD Pulse Module is a flexible I/O communications device that collects data from pulse output meters such as electric, gas, water, BTU, etc.

Series 8000 Multiple Point Meter
This compact, cost-effective, revenue-grade meter measures and monitors up to 24 single-phase, 12 two-pole or 8 three-phase loads. The exceptional design reduces installation labor and hardware requirements. Utilizes Modbus RTU over RS-485 to communicate with the Leviton VerifEye™ system and provides capability for Modbus TCP and BACnet IP as well. Split and solid core current transformers are available.

Energy Monitoring Hub (EMH)
Designed as a central data collection point for the VerifEye™ communication network, Leviton’s EMH collects and logs data from wired or wireless connected devices. Data is stored for remote data collection over the owner’s Ethernet network and the Internet. Data can be sent to any remote location; owner or building manager has complete control of the data destination. EMH is a browser based platform and provides data in easy to integrate and open protocols such as HTTP or FTP of .csv files, XML, BACnet IP, etc.

BMO 3.0 Tenant Billing Module Software (optional)
The BMO 3.0 Tenant Billing Module is a web-based software program that provides individual tenant billing capabilities to allow recovery of tenant energy costs. When combined with a VerifEye™ metering system, the BMO 3.0 Tenant Billing Module simplifies the tenant billing process. It also generates charts and graphs of consumption and demand data that can be presented to tenants to foster energy conservation through visual awareness.

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Residential Multi-Dwelling Units

Master Metered Buildings (Retrofit)

Ratio-based billing for utilities leaves much to be desired. There’s nothing fair about a single, traveling salesman in a two-bedroom unit paying the same share of the utilities as a family of four living in the same size unit. It’s also nearly impossible to stabilize building owner profits because although MDU utility bills rise annually it can be difficult to retain tenants if rents are hiked annually.

Leviton’s Verifeye™ submetering solution provides the ability to lower utility costs by billing each apartment unit for what is actually used. VerifEye™ offers a tenant metering solution with wireless communications that is ideally suited to retrofit MDU applications. The core of the system is a compact, flush-mount or surface mount Leviton Mini Meter that is installed in each unit along with a wireless transmitter.

This wireless system enables either staff or a third party billing company to generate accurate bills. The size of the components and minimal wiring required helps make this a relatively easy-to-install and cost-effective system, especially where risers feed multiple units. With a Leviton submetering solution, owners can allocate costs directly to the tenant and lower overall operating expenses. Get unbeatable accuracy for tenant billing applications and revenue-grade accuracy in a compact, cost-effective solution.

The Leviton Advantage

- Equitable unit/common-area cost allocation and accurate tenant billing eliminates burden of rising and unpredictable expenses
- Easy-to-re retrofit and robust wireless communication system with small footprint
- Compact, flush-mount or surface mount meter enclosure designed for installation in smaller apartments
- Open architecture allows for easy integration of water and gas meters as well
- Open architecture provides flexibility to use a third-party billing company or VerifEye™ BMO 3.0 Tenant Billing Module web-based software
- Scalable wireless repeater can be used to accommodate large sites or added in the future for new tenants and building expansions
PUTTING IT ALL TOGETHER

Compact Meters for a Right-Sized Billing Solution
Residential Multi-Dwelling Units

The VerifEye™ Mini Meter system is more than just a tenant billing solution. It can be cost-effectively expanded as a tool for earning LEED points and achieving green building initiatives. With a Leviton submetering solution centered on the VerifEye™ Mini Meter, tenants regain control and responsibility over utility bills and building ownership benefits from shedding unpredictable expenses while improving economic and environmental sustainability. Best of all, the components are compact and the system requires very little hardwiring, making installation relatively painless.

CORE LEVITON COMPONENTS

- **Mini Meter**
  - The Mini Meter is a compact, cost-effective single-phase kWh meter designed for ease of retrofit into multifamily environments. Housed in an attractive, flush or surface mount enclosure, meter meets highest level of accuracy (independent third party tested), as required by the New York Public Service Commission and California Division of Weights and Measures.

- **Wireless Diversity Repeater**
  - The compact Tehama Wireless Diversity Repeater creates a complete wireless network from the meter to a data collector. Repeaters are required to create a redundant data path and ensure data integrity.

- **Metering Data Transceiver**
  - The compact battery powered Metering Data Transceiver (MDT) records data from various meter types such as gas and water and transmits it to a data collector. An on-board real-time clock can timestamp readings at the source and back them up in local storage in the event a network outage occurs.

- **Data Collection Access Point (DCAP)**
  - As the data collector for a VerifEye™ Mini Meter solution, the Tehama DCAP collects and stores meter readings from every Leviton meter. The DCAP incorporates a powerful embedded computer and comprehensive database, along with an integrated radio transceiver. The DCAP provides open protocols to allow ease of data transfer and integration with third party billing companies and the VerifEye™ BMO 3.0 Tenant Billing Module web-based software.

- **EMB Hub Data Acquisition Server**
  - The EMB Hub is an intelligent, flexible data acquisition server allowing users to collect energy data from meters and environmental sensors through ModBus protocol.

- **BillSuite Tenant Billing Software (optional)**
  - BillSuite Tenant Billing Software is a PC-based software program that provides individual tenant billing capabilities to allow recovery of tenant energy costs. When combined with a VerifEye™ metering system, the BillSuite Tenant Billing Software simplifies the tenant billing process. It also generates charts and graphs of consumption and demand data that can be presented to tenants to foster energy conservation through visual awareness.

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Commercial Offices/ Mixed Use

New Construction & Retrofit Applications

The benefits of implementing a cost-effective means of recovering utility costs, saving energy and reducing the carbon footprint can be substantial; even game changing. Whether for a small, two-story office building, a sprawling commercial office complex or a new mixed use facility, Leviton has the right combination of components and expertise to deliver the optimal submetering solution.

There’s no doubt that redirecting accountability for energy usage to tenants and streamlining accounting operations by installing and implementing a Leviton submetering solution is a win-win in the commercial office/mixed use space. Precise monitoring of tenant utilities and major building systems can generate substantial cost savings. For a facility to be considered state of the art, it must incorporate technologies such as VerifEye™ submetering solutions. Leviton’s energy management software can be used to push meter data to third party billing companies, energy monitoring software solutions, energy dashboards on kiosks or big screens displaying building energy conservation statistics and tenant awareness/ sustainability messages.

The Leviton Advantage

- Redirect responsibility for utility usage from property owners to tenants and encourage conservation
- Easy-to-install/retrofit metering system: minimally wired installation saves time and reduces labor costs
- Universal energy information system designed to meet or exceed all energy data project goals using open protocol system platform and interfaces
- Cost-effective and convenient method of monitoring usage for energy savings, code compliance and LEED measurement and verification
- Provides web-based access to real-time usage data and reports and accommodates third-party billing
- Set energy goals at the building or portfolio level with BMO 3.0 Executive Reporting Module
- Access the Executive Reporting Module remotely via the mobile app

PUTTING IT ALL TOGETHER
See pages 18-19
### Series 8000 Multiple Point Meters

This compact, cost-effective, revenue-grade meter measures and monitors up to 24 single-phase, 12 two-pole or 8 three-phase loads. The exceptional design reduces installation labor and hardware requirements. Utilizes Modbus RTU over RS-485 to communicate with the Leviton VerifEye™ system and provides capability for Modbus TCP and BACnet IP as well. Split and solid core current transformers are available.

### HD Pulse Module

The HD Pulse Module is a flexible communications component that enables Leviton and third party meters to be incorporated into the VerifEye™ collection system. The HD Pulse Module is a flexible I/O communications device that collects data from pulse output meters such as electric, gas, water, BTU, etc.

### Series 2000 3-Phase Meters

Series 2000 is a basic, cost effective, commercial kWh meter for three phase applications. Each meter has built-in pulse output for connection to VerifEye™ communication system or BMS/BAS platform. Coupled with split core current transformers, Series 2000 provides easy installation with minimal downtime.

### VerifEye™ EMH+ Components

- **Integrated Meter & Hub (EMH+)**: The VerifEye™ EMH+ combines an onboard revenue-grade power meter, a Leviton Data Acquisition HUB and web server in a flexible all-in-one package. VerifEye™ EMH+ uses an Ethernet (LAN) connection allowing end users to pull data via HTTP, XML, FTP or any custom protocol by utilizing the EMH+ Module to build their own applications. VerifEye™ EMH+ can be easily expanded to support water, gas and steam monitoring applications for a comprehensive snapshot of a facility’s total energy usage.

### Software Modules

- **BMO 3.0 Tenant Billing Module Software (optional)**
  - The BMO 3.0 Tenant Billing Module is a web-based software program that provides individual tenant billing capabilities to allow recovery of tenant energy costs. When combined with a VerifEye™ metering system, the BMO 3.0 Tenant Billing Module simplifies the tenant billing process. It also generates charts and graphs of consumption and demand data that can be presented to tenants to foster energy conservation through visual awareness.

- **BMO 3.0 Executive Reporting Dashboard Module Software (optional)**
  - The BMO 3.0 Executive Reporting Dashboard Module is a web-based energy monitoring software that allows executive stakeholders to readily access and understand energy usage and cost data specific to their facilities and portfolios. The graphical Dashboard can be configured to display building information updated in 15-minute intervals. View energy usage, measured parameters, cost metrics and more, quickly and easily.

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### Diagrams

- **Repeat system for all Commercial units in MDU**
- **Repeat system for all Residential spaces in MDU**
Retail Malls
New Construction & Retrofit Applications

Billing tenants for actual, measured usage on a regular basis and taking the uncertainty out of the equation makes sense for all parties. It improves cash flow, avoids end-of-year reconciliations and, in general, places responsibility for consumption where it belongs. But VerifEye™ submetering is more than just a tenant billing solution. All of our meters are designed to provide granular data on usage within specific areas or by individual loads that can be used to lower long-term energy usage.

Submeters are a cost-effective approach to tenant billing and energy management in a mall environment where space is routinely reconfigured to accommodate tenant turnover and planned improvements. That’s because it is a cost-effective option that minimizes rewiring and disruption of retail operations during typical ongoing tenants’ improvements.

Leviton VerifEye™ submetering features a range of devices that incorporate standard protocols, wireless options and split core CT technologies, making retrofits relatively easy and inexpensive. VerifEye™ submeters facilitate accurate tenant billing of electric, water, gas and other utility usage — and chargebacks for common area utilities.

The Leviton Advantage
- Redirect responsibility for utility usage from property owners to tenants for improved cash flow, recapture of all costs and improved tenant relations
- The VerifEye ModHopper Wireless Transceiver provides a self-optimizing wireless mesh network between multiple meters for a full submetering solution at a fraction of the traditional cost
- Eliminate the need for costly wiring throughout a large facility with a wireless metering solution
- Open architecture data collection offers freedom to utilize any third party billing company or VerifEye™ BMO 3.0 Tenant Billing Module web-based software
### PUTTING IT ALL TOGETHER

**Retail Tenants**

- **HD Pulse Module**
  The HD Pulse Module is a flexible communications component that enables Leviton and third party meters to be incorporated into the VerifEye™ collection system. The HD Pulse Module is a flexible I/O communications device that collects data from pulse output meters such as electric, gas, water, BTU, etc.

- **ModHopper Wireless Modbus/Pulse Transceiver**
  The Leviton ModHopper is a high powered, radio frequency transceiver, designed to interface with pulse or Modbus RTU meters. This wireless pulse transceiver reduces the need for costly wiring runs and allows data to be transmitted through a self-configuring, self-healing mesh network.

- **Series 2000 3-Phase Meter**
  Series 2000 is a basic, cost effective, commercial kWh meter for three phase applications. Each meter has a built in phase output for connection to VerifEye communication systems or BMS/BAS platforms. Coupled with split core current transformers, Series 2000 provides easy installation with minimal downtime.

- **Series 4000 Multi-Function Meters - Modbus RTU (RS-485)**
  The Series 4000 features a full data set, both for total meter quantities and per-phase meter data. It is designed for use for tenant billing and major building system loads and features an auto-ranging voltage input. Revenue-grade current transformers come in traditional solid and split core current transformers as well as Rogowski coils or "rope" style CTs.

**Common Areas**

- **Energy Monitoring Hub (EMH)**
  Designed as a central data collection point for the VerifEye™ communication network, Leviton’s EMH collects and logs data from wired or wirelessly connected devices. Data is stored for remote data collection over the owner’s Ethernet network and the Internet. Data can be sent to any remote location; owner or building manager has complete control of the data destination. EMH is a browser based platform and provides data in easy to integrate and open protocols such as HTTP or FTP of .csv files, XML, BACnet IP, etc.

- **BMO 3.0 Tenant Billing Module Software (optional)**
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Educational and Professional Campuses

New Construction & Retrofit Applications

In the face of escalating utility costs, energy metering and monitoring provides a prime opportunity for substantial savings on college campuses. Modern educational facilities have become increasingly reliant on technology to improve the learning environment. Computers at every desk, sophisticated A/V equipment in every room, proliferation of personal mobile devices, etc.: all these devices and systems consume vast amounts of energy.

Installing a Leviton VerifEye™ submetering system provides visibility into downstream energy usage that can be used to improve energy efficiency and distribute costs equitably. Identifying and correcting system inefficiencies and equipment problems using data provided by submeters can result in significant savings. Submeters provide the required data for energy and facility managers to understand where to focus their time and money.

VerifEye™ provides the right products to allow whole building submetering on a single, scalable platform. Collected data can be sent to multiple stakeholders including energy monitoring software, EMS/BMS, dorm competition dashboards, ESCOs, etc.

The Leviton Advantage
• Clear visibility into downstream costs facilitates departmental budget allocation and forecasting
• Integration of multiple utilities (electric, water, gas and steam) into single data collection platform with open protocol data access
• Broad line of metering products and communication architecture platforms to suit a wide variety of environments
• Highly scalable system can be phased in to accommodate resource constraints and ease adoption
• Cost-effective and convenient method of monitoring usage for energy savings, code compliance and LEED measurement and verification

PUTTING IT ALL TOGETHER
See pages 26-27
PUTTING IT ALL TOGETHER

Educational and Professional Campuses
New Construction & Retrofit Applications

CORE LEVITON COMPONENTS

**Series 8000 Multiple Point Meter**
This compact, cost-effective, revenue-grade meter measures and monitors up to 24 single-phase, 12 two-pole or 8 three-phase loads. The exceptional design reduces installation labor and hardware requirements. Utilizes Modbus RTU over RS-485 to communicate with the Leviton VerifEye™ system and provides capability for Modbus TCP and BACnet IP as well. Split and solid core current transformers are available.

**Series 3500 Multi-Function Ethernet Meter**
The Series 3500 meter communicates over an Ethernet network to the Leviton Energy Monitoring Hub. Featuring multi-function universal voltage and Modbus TCP/IP and BACnet IP, the Series 3500 is ideal for commercial and industrial applications where advanced communications protocols or BAS/BMS integration is needed.

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Industrial/Manufacturing Plants, Major Building Systems

New Construction and Retrofit Applications

It takes a tremendous amount of energy to run manufacturing process equipment, lighting and HVAC systems within a typical plant. As major consumers of electricity and other utilities, factories and industrial facilities can achieve significant cost savings by improving equipment performance, by load shedding, and by eliminating wasteful consumption. In addition, accurate allocation of utility costs made possible through submetering can enhance management of per-unit production costs. Energy monitoring data can facilitate a robust energy management and improvement plan that if utilized properly, will provide significant savings opportunities.

In an environment where downtime can quickly erode profits, a submetering system that can be phased in without interrupting processing or production has measurable advantages. Leviton’s VerifEye™ submetering system is extremely scalable so it can be installed in phases, while use of split-core transformers enables installation without power interruptions. Once in action, submetering provides facility managers and operators with valuable insight into the performance of the overall facility.

Leviton’s VerifEye™ submetering system can help streamline demand analysis, production and administrative cost allocation, and equipment maintenance opportunities. The end result is a better bottom line.

The Leviton Advantage

• Highly scalable system can be phased in so as not to interrupt daily operations
• Monitoring of processes, equipment and major building system loads for energy savings
• Ideal solution for departmental cost allocation
• Easy integration of utility data into building and energy management systems
• Versatile metering products accommodate split-core transformers or Rogowski Coil CTs for relatively easy retrofitting into any environment
PUTTING IT ALL TOGETHER

Industrial/Manufacturing Plants, Major Building Systems  New Construction and Retrofit Applications

CORE LEVITON COMPONENTS

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### Residential Multi-Dwelling Units

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<th>Description</th>
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<td>Phase Config, 24x1 with Wiring Harness</td>
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<td>BMO 3.0 Tenant Billing Module Software</td>
<td>— See <a href="http://www.leviton.com/verifeye">www.leviton.com/verifeye</a> for full listing and details</td>
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<td>BMO3W-MRT</td>
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### Commercial Offices/Mixed Use

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<th>Amps</th>
<th>Cat. No.</th>
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<td>Flex I/O Module, 8 User Selectable Inputs, 2 Relay Outputs</td>
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<td>277V</td>
<td>Phase Config, 9x3 with Terminal Strips</td>
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<td>Phase Config, 12x2 with Terminal Strips</td>
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<td>EMH+ Integrated Meter &amp; Hub</td>
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<td>Data Acquisition Server with 3-Phase Meter, 3 Split CTs</td>
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<tr>
<td>BMO 3.0 Executive Reporting Dashboard Module Software</td>
<td>— Expansion Module Software &amp; Mobile App - Includes 10 Buildings with 50 Meter Points Per Building</td>
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### Retail Malls

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<td>200A, 3 Split Core CTs</td>
<td>4KJPR-02M</td>
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<td>400A, 3 Split Core CTs</td>
<td>4KJPR-04M</td>
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<td>600A, 3 Split Core CTs</td>
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<td>1200A, 3, 12 ft. Rogowski Coil CTs</td>
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<td>2000A, 3, 18 ft. Rogowski Coil CTs</td>
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<td>2000A, 3, 24 ft. Rogowski Coil CTs</td>
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<td>— Energy Monitoring Hub - Non-Configured</td>
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<td>A8812-000</td>
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<td>— See <a href="http://www.leviton.com/verifeye">www.leviton.com/verifeye</a> for full listing and details</td>
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**Application Product Listing Guide**

**Residential Multi-Dwelling Units**

1. **HD Pulse Module**
   - Voltage: 120/208/240V
   - Description: Phase Config, 6x2 with Wiring Harness
   - Amps: 200A
   - Cat. No.: S8120-062

2. **Series 8000 Meter**
   - Voltage: 120/208/240V
   - Description: Phase Config, 6x2 with Wiring Harness
   - Amps: 300A
   - Cat. No.: S8120-092

3. **Energy Monitoring Hub**
   - Description: Energy Monitoring Hub - Configured for Leviton Energy Manager
   - Cat. No.: A8811-001

4. **BMO 3.0 Tenant Billing Module Software**
   - Description: See www.leviton.com/verifeye for full listing and details
   - Cat. No.: BMO3W-MRT

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**Commercial Offices/Mixed Use**

1. **HD Pulse Module**
   - Voltage: 120/208/240V
   - Description: Phase Config, 24x1 with Wiring Harness
   - Amps: 100A
   - Cat. No.: S8UTM-241

2. **Series 8000 Meter**
   - Voltage: 277V
   - Description: Phase Config, 9x3 with Terminal Strips
   - Amps: 277TS-093

3. **Energy Monitoring Hub**
   - Description: Energy Monitoring Hub - Configured for Leviton Energy Manager
   - Cat. No.: A8812-001

4. **BMO 3.0 Tenant Billing Module Software**
   - Description: See www.leviton.com/verifeye for full listing and details
   - Cat. No.: BMO3W-MTR

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**Retail Malls**

1. **ModHub**
   - Voltage: Universal, 3P, 3W/4W
   - Description: 100A, 3 Split Core CTs
   - Amps: 4KJPR-01M

2. **Series 4000 Modbus RTU**
   - Voltage: 100A, 3 Split Core CTs
   - Description: See www.leviton.com/verifeye for full listing and details
   - Cat. No.: A8810

3. **Energy Monitoring Hub**
   - Description: Energy Monitoring Hub - Configured for Leviton Energy Manager
   - Cat. No.: A8812-001

4. **BMO 3.0 Tenant Billing Module Software**
   - Description: See www.leviton.com/verifeye for full listing and details
   - Cat. No.: BMO3W-MTR
### Application Product Listing Guide

#### Educational and Professional Campuses

<table>
<thead>
<tr>
<th>Product</th>
<th>Voltage Description</th>
<th>Amps</th>
<th>Cat. No.</th>
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#### Suggested Meters for Individual Buildings

### Educational and Professional Campuses

#### Low Range — Gymnasium, Faculty Hall

<table>
<thead>
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<tbody>
<tr>
<td>Series 3500 Ethernet Meter Kits*</td>
<td>INDOOR ENCLOSURE</td>
<td>208-480VAC 3P 3W/4W</td>
<td>100A 3KUMT-01M</td>
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<td>ModBus TCP/BACnet IP 3 Split CTs</td>
<td>200A 3KUMT-02M</td>
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<td>ModBus TCP/BACnet IP 3 Solid CTs</td>
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<td>ModBus TCP/BACnet IP 3 Solid CTs</td>
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### Mid Range — Administration, Dormitory, Health Sciences, Library

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### High Range — Data Center, Research Lab

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### Facilities Management

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### Lecture Hall

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<td>Phase Config 13x2 with Terminal Strips</td>
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