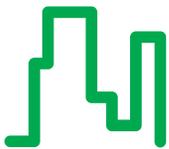


# Simple Electrical Utility Cost Allocation Solutions

## PowerLogic® High Density Metering

Advanced Submetering and Multi-Tenant Metering



Buildings



Retail



Multi Residential



For More Information:  
(866) 787-3271  
[Sales@PTSdcs.com](mailto:Sales@PTSdcs.com)

Make the most of your energy.<sup>SM</sup>



**SQUARE D**

by **Schneider Electric**



## Low Investment, High Return

PowerLogic® High Density Meter Cabinets (HDM) are a high quality, low cost solution for tenant metering/billing, monitoring facility energy usage or aggregating energy purchases for reduced rates. PowerLogic HDM cabinets are ideal for retrofit installations or new construction and are easy to specify, purchase and install. They are available in multiple configurations, can be equipped with a choice of accurate, reliable PowerLogic® meters and offer a small footprint that is ideal for mounting next to an existing panelboard.

An HDM cabinet along with PowerLogic® Tenant Metering Commercial Edition software offers an end-to-end solution for cost allocation and tenant sub-billing. Unlike traditional submetering products which must be manually read, have limited functionality, or offer inefficient sub-billing software, an HDM solution can provide a quick and easy means to satisfy government regulations for energy saving initiatives. It offers a wide range of parameters, outstanding reliability, high accuracy, open architecture protocols for simple system integration and when paired with a PowerLogic EGX solution, Ethernet and Web browser data access.

With all the flexibility, functionality and ease of use that you have come to expect from Square D/Schneider Electric products, and supported by the largest distribution, sales and service organization in the industry, you can count on a PowerLogic HDM solution to fit your needs now and into the future.



PowerLogic High Density Metering is an excellent choice for energy monitoring in:

- Multi-family residential buildings
- Retail malls/food courts
- Office buildings
- Commercial buildings
- Hotels and entertainment venues
- Airports and other transportation facilities

## Pre-assembled HDM enclosures to meet your needs

Flexible PowerLogic high density metering enables you to select any number of meters up to the cabinet's threshold, giving you the option to expand as your needs dictate. If your facility can accommodate up to eight tenants but only five units are occupied, you can select an 8-Meter Cabinet and order it with only five meters. Order additional meters as your requirements increase. High Density Metering Cabinets are available with a variety of PowerLogic® meters offering a comprehensive range of capabilities. If you need I/O, improved power quality or enhanced communications, simply select the device that best suits your application when ordering your HDM cabinet.



The flexible 1-Meter HDM is available in Type 3R (outdoor) when equipped with ION6200 or Type 1 (indoor) cabinets. Provide easy access to the meters and wiring, and can be equipped with either PM210, PM750 or ION6200 meters.

## Features and Benefits:

- **Simple Installation** – Mounting channels and surface mount flanges simplify installation for the 8 and 16-Meter Enclosures. Installation keyholes simplify installation for the 1 and 4-Meter Enclosures.
- **Accuracy** – ANSI C12.16. 1.0 and ANSI C12.20. 0.5 Accuracy Class compliant metering.
- **Flexibility** – Choose from single phase 240V/120V or three phase 208Y/120V wye, 240V delta, 480Y/277V wye, 480V delta, 600Y/347V wye, and 600V delta.
- **Tamper Resistant** - 8 and 16 meter Type 1 enclosures as well as 1-meter and 4-meter Type 1 and Type 3R enclosures.
- **Space Saving** – A small footprint occupies a fraction of the space of traditional meter centers.
- **Accessibility** – Easy access to power, communication connection points and the current transformer shorting block.
- **Scalability** – Factory-installed wiring harness lets you easily add new meters to empty slots as needs change.
- **Industry Standard Communications** – Standard Modbus RS485 or optional Modbus Ethernet TCP/IP.
- **Compatibility** – Integrates with existing energy management systems, RTUs, and PowerLogic® software to increase property values by eliminating previously uncontrolled expenses.



Choose the cabinet that fits your needs, equip it with as many meters as you need today and add meters as your requirements evolve. PowerLogic High Density Metering 4-meter column width cabinets are the ideal space saving solution.

## Applications

- **Tenant Sub-billing** – Easily and accurately bill tenants by their actual energy usage, rather than invoicing by square footage. Use the information to offer reduced lease rates.
- **Energy Cost Allocation** – Allocate facility energy costs based on actual usage by departments, tenants and cost center. Use the information to learn exactly where energy is being consumed and identify energy conservation measures that won't heavily impact people or processes.
- **Demand Control** – Discover your facility's electricity usage patterns, total energy consumption and power demand in order to establish a baseline for implementing energy savings initiatives.



PowerLogic High Density Metering solutions enable you to monitor, allocate, and invoice your facility's electrical usage. Factory assembled wiring harnesses simplify the installation of additional meters and internal mounting rails enable you to easily add supplemental accessories.

Selection Guide	ION6200	PM210	PM750
<b>General</b>			
Use on LV and HV systems	■	■	■
Energy and power accuracy	ANSI C12.20. 0.5 Accuracy Class	ANSI C12.16. 1.0 Accuracy Class	ANSI C12.20. 0.5 Accuracy Class
<b>Instantaneous rms values</b>			
Current (phases and neutral)	■	■	■
Voltage (L-L, L-N)	■	■	■
Frequency	■	■	■
<b>Power</b>			
Real	■	■	■ <sup>1</sup>
Reactive	■	■	■ <sup>1</sup>
Apparent	■	■	■
Power factor total	■	■	■ <sup>2</sup>
<b>Energy values</b>			
Active, reactive, apparent energy	■	■	■ <sup>1</sup>
<b>Demand values</b>			
Current (present and max.)	■	■	■
Active, reactive, apparent power	■	■	■
<b>Power quality measurements</b>			
Harmonic distortion (current, voltage)	■		■
<b>Data recording</b>			
Min/max of instantaneous values	-	-	■
<b>Display and I/O</b>			
Backlit LCD display	LED display	■	■
Pulse output	2	-	1
Pulse input	-	-	2
<b>Communication</b>			
RS485 port	■	■	■
Modbus protocol	■	■	■
Alarms	-	-	■

<sup>1</sup> Real and reactive power and energy are signed net consumptions.

<sup>2</sup> Signed Power Factor

## PowerLogic® ION6200

The PowerLogic® ION6200 meter provides outstanding quality, versatility and functionality in an ultra compact unit. It is simple to use and offers a bright LED display for superior readability. In addition to offering an extended operating temperature range that makes it ideal for outdoor applications, the ION6200 also comes complete with four-quadrant power, demand, energy, power factor and frequency measurements.



## PowerLogic® PM210 series

The PowerLogic® PM210 is an easy-to-use, cost-effective meter that offers the basic measurement capabilities required to monitor an electrical installation. The compact 96 x 96 mm meter simultaneously monitors all three phases of voltage and current. Energy and demand readings provide the information needed to measure and control energy costs. It features an easy-to-read, anti-glare, back-lit LCD display, an intuitive interface with context-based navigational menus and summary screens and bar charts that provide system status at a glance. Comes complete with communications via Modbus RS485.



## PowerLogic® PM750

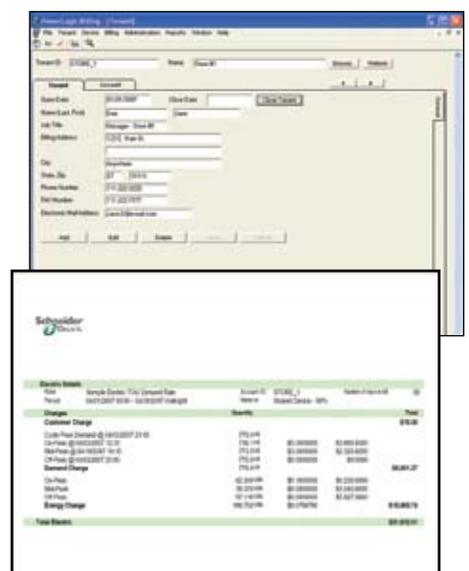
The PowerLogic® PM750 combines quality, versatility and functionality in a single compact meter. Ideal for comprehensive electrical system monitoring in a wide variety of applications, its large display enables you to monitor all three phases and neutral simultaneously. The full-featured PM750 provides metering to ANSI C12.20. 0.5 Accuracy Class standards, total harmonic distortion, min/max readings, two digital inputs, one digital output, 15 user-configurable alarms and signed power factor.



## PowerLogic® Tenant Metering Commercial Edition Software

Tenant Metering Commercial Edition software is an ideal complement to your high density metering installation. Combining the ease-of-use and flexibility you want, with the advanced features and sophisticated reporting tools you need, Tenant Metering Commercial Edition software is a complete tenant sub-billing and meter reading solution. Providing fully customizable billing periods and rate structures to help you better manage energy costs, the software also enables you to monitor and invoice for water, air, gas, electricity and steam (WAGES) usage.

Use PowerLogic® Tenant Metering Commercial Edition software to improve tenant retention and increase the value of your property through fair and transparent billing while recovering the true cost of your facility's utilities for both tenant spaces and common areas.



Easily manage and bill your tenants for electricity consumption with TMSCE software.

## Ordering Information:

### (1) High Density Metering Cabinet\*\*\*

Category	Meter Series	Voltage	Phasing	Enclosure Size	# Meters	Description
HDM	ION6200	12, 4T*	3	1 or 4	1-4**	1 or 4 High Density Meter Enclosure with ION6200 meters; ideal for outdoor as well as indoor applications at all voltage levels including 600V delta and 347/600V wye systems
HDM	PM210	12, 48 4T†	1 or 3	1, 4, 8, or 16	1-16**	8 or 16 High Density Meter Enclosure with PM210 meters; ideal for single or three phase indoor commercial building applications
HDM	PM750	12, 48 4T†	3	1, 4, 8 or 16	1-16**	8 or 16 High Density Meter Enclosure with PM750 meters; ideal for 3 phase indoor commercial building applications

† 4T available on 1 and 4 meter enclosure only

\*Voltage Ordering Notes:

12 = 208Y/120V wye; 240V delta

48 = 480Y/277V wye (PM210/PM750)

4T = with provided 2.5:1 CPT (control power transformer); 480Y/277V wye (6200); 480V delta (6200, PM210 or PM750); 1 & 4 meter enclosure only.

\*\*# Meters Ordering Notes:

Please indicate the number of meters to be pre-installed when placing your order. You may order any number of meters in the enclosure between one and the maximum number of meters each cabinet will hold.

\*\*\*Please enter R at the end of the part number for Type 3R outdoor enclosure. For type 1 indoor enclosures, leave the last digit blank.

### Example catalog number: HDM62004T342R

Description: High Density Metering Cabinet, PowerLogic® ION6200 Power Meter, 480Y/277V wye, 3-phase, 4-meter cabinet, 2 meters pre-installed\*\*, Type 3R (outdoor)

Category	Meter	Voltage	Phasing	Enclosure Size	# Meters	Outdoor Enclosure
HDM	6200	4T	3	4	2	R

### High Density Meter System includes:

Enclosure	Wall hanging bracket (8 and 16 meter HDM)
Power Meters, installed**	Instruction bulletin for meters
Installation bulletin for Enclosure	

### (2) Auxiliary Wiring Harness

Wiring harness for installation of additional meters in 4, 8, 16 meter enclosures

Part #: HDM PMH KIT (includes connectors and shorting terminal blocks)

### (3) Cover Plate

Additional cover for empty meter space

Part #: HDMPMCVRPLT

### (4) Additional Accessories:

5A current transformers are available separately.

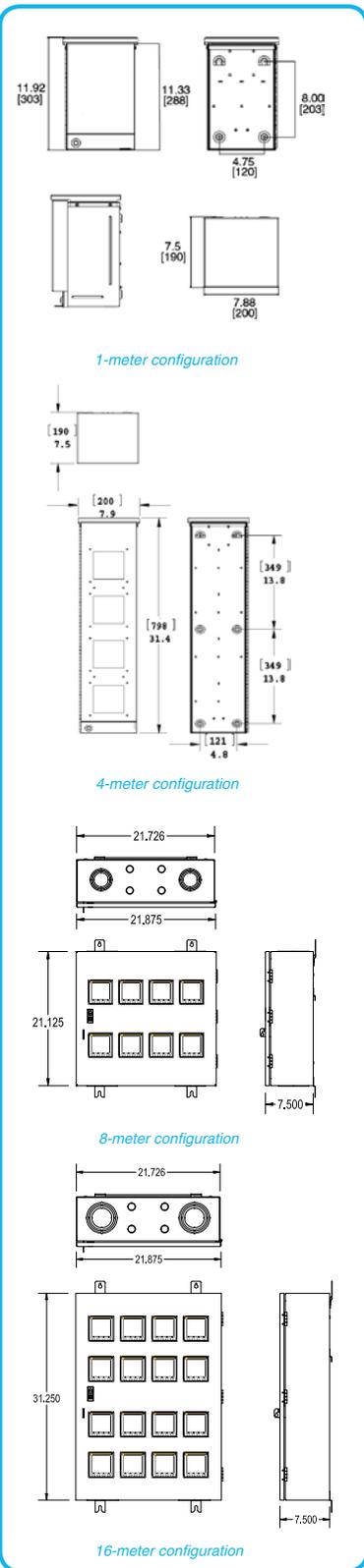
## Software integration

PowerLogic® Tenant Metering Commercial Edition software

PowerLogic® PowerView™ software

PowerLogic® System Manager™ software

PowerLogic® ION Enterprise® software



Safety & Security. Reliability & Productivity. Aesthetics & Comfort.

Efficiency & Sustainability. Whatever your need, Schneider Electric has the solution.

To find genuine Schneider Electric and Square D products, go to [www.squared.com](http://www.squared.com) to find your nearest authorized distributor or call 1-888-SquareD.

## Schneider Electric - North American Operating Division

295 Tech Park Drive  
LaVergne, TN 37086  
Tel: 615-287-3500  
[www.PowerLogic.com](http://www.PowerLogic.com)

As standards, specifications and designs develop over time, always ask for confirmation of the information given in this publication. Square D, PowerLogic and Modbus are either trademarks or registered trademarks of Schneider Electric. All other trademarks are property of their respective owners.

