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**Schneider**  
Electric

# CONNECTED

 PriceList

## Power Monitoring Solutions Metering Products

With effect from January 25<sup>th</sup>, 2022



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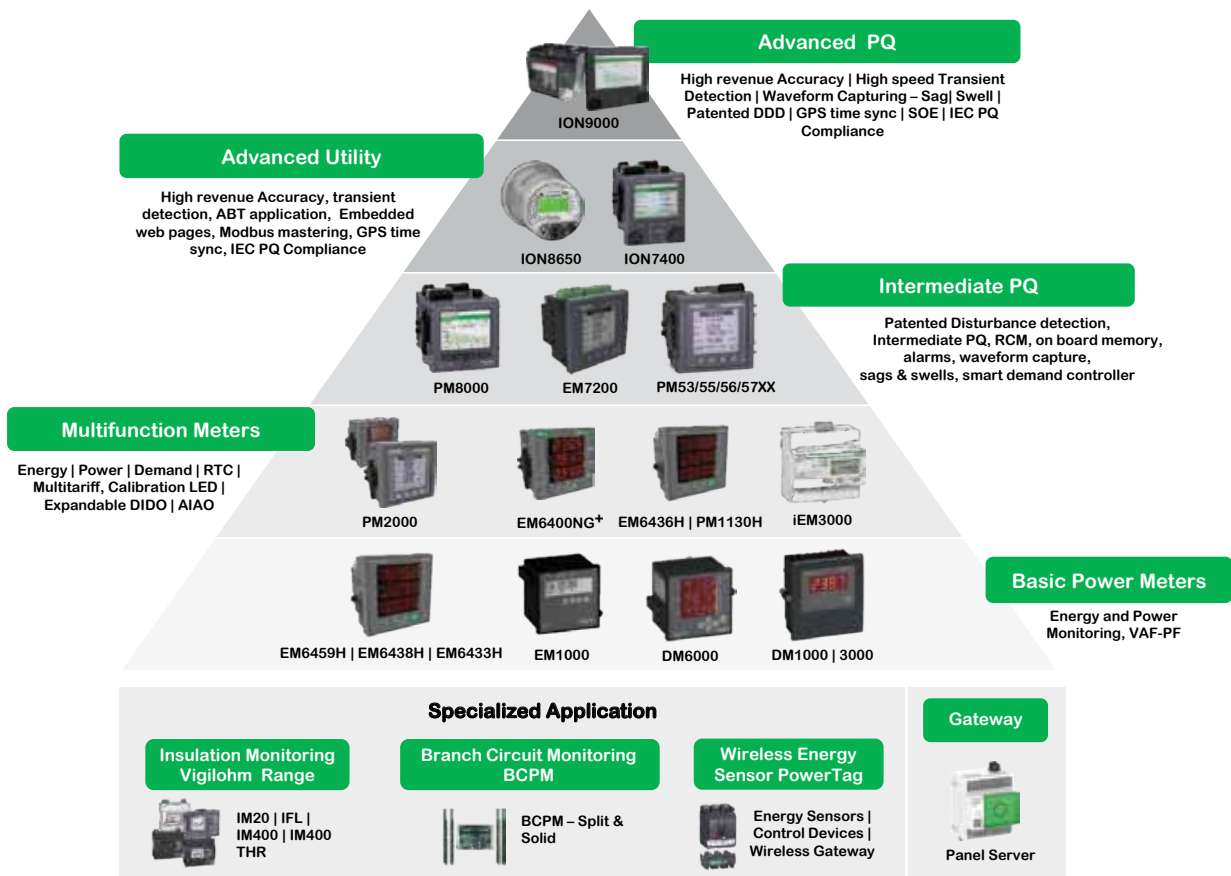
## EasyLogic™ series of Multifunction meters to optimize Industry Performance

- Unique LCD with simultaneous display of 3 parameters
- Compact Size
- Green Premium certified
- Calibration LED for on-site verification



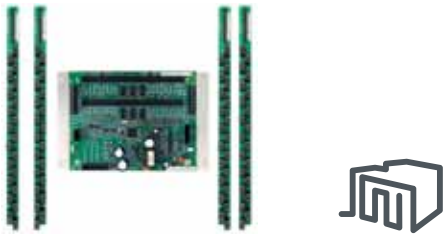
# EcoStruxure Power: Thrive in a digital world.

## Discover Our Power Monitoring Solutions



# 1. Tailored Offers for Specific Applications and Segments

\*Price On Request



- > BCPM A/B/C variants
- > Split or solid core CTs
- > 24 / 36/ 42 / 48 / 72 / 84 channels configuration

## 1.1 BCPM

The BCPM Provides Data Center Managers with Information to

**Maximize uptime and avoid outages** through advanced alarming capabilities

- > Set sensitivity parameters so an alarm is triggered when current approaches any breaker limit
- > Alarms distinguish between past events and alarm states that are still occurring
- > Analyze the alarm history to assess areas that may need additional capacity to prevent issues

**Effectively plan future infrastructure needs** by providing historical usage data, to ensure that new infrastructure projects are sized correctly

- > Track usage at the circuit level
- > Develop reports on historical usage patterns
- > Use reporting to accurately predict future needs

**Easily allocate costs**

- > Allocate costs based on per rack energy consumption
- > Track usage patterns and determine areas of potential savings
- > Create ongoing reporting structures to effectively manage costs



## 1.2 Insulation Monitoring Devices

\*Price On Request

Vigilohm Range of Insulation Monitoring Devices

Used in IT earthing arrangements, this solution

- > Guarantees process continuity in case of earth fault,
- > Improves staff and process safety, and
- > Optimizes maintenance.

Can be used in 3 levels of insulation monitoring

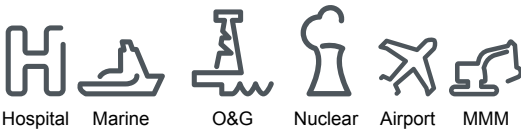
Level 1 : fault detection and signalling, manual fault location (all IMDs)

Level 2 : automatic fault location

Level 3 : feeder measurement + communication

**Key features**

- > Fault detection and signalling
- > Insulation resistance value display
- > Transformer monitoring (current and temperature)
- > Modbus communication
- > Alarm log
- > Insulation fault remote indicator (audible & visual)
- > Electrical fault (transformer overload or circuit breaker tripping ) remote indicator (audible & visual)
- > IEC 60364-4-41 : Electrical standards in buildings
- > IEC 60364-7-10 : Requirements for special installations or locations  
Medical locations.
- > IEC 61557-8 : Insulation Monitoring Devices in IT earthing arrangement
- > IEC 61557-9 : Equipment for insulation fault location in IT earthing arrangements



Hospital

Marine

O&G

Nuclear

Airport

MMM

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022



# Advanced metering for the new electric world

PowerLogic™ PM8000, ION9000 and ION9000T



Distributed generation, renewable energy, electric vehicles and power electronics are transforming today's electrical grid, challenging organizations that rely on power availability for business continuity. Along with these pressures, energy trading transactions are complex with growing concerns in areas such as data accuracy and cybersecurity. In the new electric world, systems that are efficient, secure, sustainable and resilient create business advantage. With advanced power meters from Schneider Electric – the world's leading power quality and revenue meters – you can keep pace with innovation and help ensure future opportunities for adaptation and growth.

## True reliability

Meeting the latest and most stringent international standards compliance for revenue billing and power quality monitoring, and confirmed by third-party lab certificates, PowerLogic advanced meters provide accurate, reliable and cybersecure information.

- 0.1S or 0.2S accuracy: third-party certified in full compliance to IEC 62052-11, IEC62053-22 and ANSI C12.20 2015
- Certified PQI devices with full compliance to IEC61000-4-30, IEC62586-1, IEC62586-2
- One device for both revenue billing and power quality monitoring
- Cybersecurity with secure protocol support (HTTPS, SFTP, SSH terminal); user-based access control, restricted use of unnecessary functions, audit logging, digital signature, secure password storage
- Anti-tampering features, hardware lock



Advanced PowerLogic meters are ready to connect to any SCADA, monitoring, control or billing software system.



Accurate and reliable



Onboard power quality analysis



Modular architecture

# PowerLogic™ PM8000, ION9000 and ION9000T

Advanced metering for the new electric world

## Tangible results

The ION9000 saves you valuable time from examining raw data and extracts tangible results from the data set to convey the information needed to get real results. Designed so you can prevent a severe power quality event occurrence or recover quickly from such events.

- Patented disturbance direction detection (DDD) to quickly identify the location of a power quality disturbance source
- Powerful, system-level analysis engine\* automatically correlates facility-wide events for quick analysis and fast recovery in case of a power quality related outage
- Connect via web browser for easy-to-read, pass/fail power quality analysis according to EN50160 and IEEE519 standards
- Detection and capture of high speed impulsive or oscillatory transients with 256, 1024 or 10MHz sampling rate\*\*
- Several options of time synchronization protocols to ensure precise sequence of events analysis



## Wide versatility

A modular architecture and an easy-to-use block-oriented programming architecture make our advanced power meters the ideal instruments to help original equipment manufacturers or system integrators evolve and adapt to changing business realities.

- Multiple mounting options
- Hardware modularity allows for field upgrade of key capabilities, such as the number of I/O modules, additional comm ports, different display and mounting options
- Legendary, patented ION™ technology allows tremendous flexibility
- Adapts easily to your power network as it becomes more dynamic, as new energy efficient devices are installed or as new regulations are passed
- Protects your infrastructure investment now and in the future



\* Requires PME

\*\* Please refer to product catalogue for details



Green Premium Eco-Mark

Confidently confirm and incorporate compliance status of our products into your environmental policies. Schneider Electric commits to disclose reliable, comprehensive information on the environmental impacts of our products.

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## 2. High Accuracy, Specialized Solutions - for MV/LV Distribution



### 2.1 PowerLogic™ ION9000T NEW

\*Price On Request

- > High-speed transient detection with 10 MHz sampling, ability to measure up to 10 kV peak
- > Patented disturbance direction detection to identify event root cause
- > Unprecedented accuracy of 0.1S accuracy
- > Certified PQI-A (power quality instrument) complies with IEC 62586-1/-2
- > Modular, flexible, and adaptable
- > Secure protocol support and security event logging.
- > Onboard power quality analysis. Complies with: IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications
- > Extended waveform capture
- > High-speed RMS data capture for in-depth analysis of any PQ disturbance
- > Smart power event analysis
- > ION programmability technology allowing tremendous flexibility
- > Protects your infrastructure investment now and in the future
- > Green Premium eco-mark.
- > Makes your power network safer, more reliable, efficient, and compliant.



### 2.2 PowerLogic™ ION9000

\*Price On Request

- > Summarize power quality, set targets, measure and verify results
- > Large Color Display with high resolution
- > Modbus Master functionality to read from downstream Modbus devices and view it via the front panel
- > Detect and capture transients as short as 20µs at 50Hz (17µs at 60 Hz)
- > Power quality compliance monitoring IEC 61000-4-30 Class A , test methods as per IEC 62586-1/2.
- > 2 GB of standard non-volatile memory.
- > Trend curves and short-term forecasting of upcoming values for better decisions
- > Disturbance direction detection with results captured in the event log, with a timestamp and certainty level
- > 50+ definable alarms to log critical event data, trigger waveform recording, or perform control function.
- > Trigger on any condition, with 1/2-cycle and 1-second response time.
- > Support protocol: Modbus, ION, DNP3, DLMS, SNMP, and IEC 61850.
- > Gateway functionality to access downstream meter's readings through ethernet
- > Time synchronization via GPS clock (RS-485) or IRIG-B (digital input) to ±1 millisecond.



Utility/ABT meter



8650

### 2.3 PowerLogic™ ION 8650

\*Price On Request

- > **Utility grade accurate metering** with IEC 62053-22/23 Class 0.2S with 1024 samples / cycle
- > **Power quality compliance monitoring** for IEC 61000-4-30 Class A/S, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 1159, IEEE 519
- > **Power quality measurements** with Individual Harmonics, sag – swell, transient detection, waveform analysis & logging
- > **Digital fault recording** by capturing voltage and current channels simultaneously for sub-cycle disturbances
- > **Complete communications** through IEC1107 optical port or the optional communications module that supports concurrent Ethernet, serial, and modem communications
- > **Transformer/line loss compensation** for system losses in real time directly in the meter
- > **Instrument transformer correction** to save money and improve accuracy by correcting for less accurate transformers.

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## 2. High Accuracy, Specialized Solutions - for MV/LV Distribution



### 2.4 PowerLogic™ ION7400

Compact energy and power quality meters for feeders or critical loads

\*Price On Request

- > High quality, reliability, and accuracy: 3-phase power and energy measurements with power quality compliance monitoring, data and event logging, and alarming
- > Industry-leading: Class 0.2S revenue metering and network management data
- > Regulatory compliance: meets all North and South American requirements for utility metering
- > Built-in intelligence: RTU polls downstream devices like relays or other telemetry devices
- > Exceptional adaptability: integrates into existing billing/SCADA systems
- > Reduces downtime: pinpoints disturbances with disturbance direction detection as upstream or downstream of the meter
- > High degree of visibility to data and assets: allows for cost savings, rapid response time, and better decisions
- > Monitors and logs parameters in support of multiple international PQ compliance measurement standards
- > Harmonics: high-resolution waveform capture and Flicker influence



### 2.5 PowerLogic™ PM8000 Series

\*Price On Request

- > Patent disturbance detection capability with Sag/Swell / Waveform capture technology
- > **Ideal** for high energy users
- > **Revenue accuracy** of Class 0.2S as per IEC 62053-22
- > **High Sampling rate** of 256 Samples / Cycle, Waveform recording, sag/swell monitoring
- > **Modbus Master** with Single RS485 port & Dual Ethernet
- > **512MB of standard** non-volatile memory for Data and event logging
- > **Harmonics Analysis** upto 63rd for Voltage & current
- > **GPS clock (RS485)** or IRIG-B (digital input)
- > **01 Serial port** (Modbus, ION, DNP3) , Dual Ethernet port (Modbus/TCP, ION TCP, DNP3 TCP, IEC 61850 )
- > **Standard Digital Input**, Expandable Digital IO, Analog IO

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# PowerLogic™ PM55/56/5700

Power quality, features in a  
cost-effective, precision meter



The highly capable PowerLogic™ PM5500, PM5600, and PM5700 power meters combine multiple features that are not typically found in basic range power meters: power quality capabilities, residual current monitoring, and MID conformance. This combination of features merge with industry-leading measurement accuracy to match the requirements of energy cost management applications in buildings and industry. Compliant with stringent international metering standards, these meters remove any uncertainty in billing for energy consumption and ensure a high level of performance that non-compliant devices cannot match.

Allocate energy costs, perform tenant sub-billing, pinpoint energy savings, optimize equipment efficiency and utilization, and perform a basic assessment of the power quality in your electrical network.

#### Residual Current Monitoring

- Proactively identify residual current to maximize electrical distribution uptime, reduce risk of faults, and improve safety

#### Power Quality Monitoring

- Identify power quality events to avoid downtime, prevent equipment damage

#### LVDC Control Power Option (24V DC)

- Continuously monitor system and log data, even during an outage or voltage instability, in addition to significant installation and material cost savings DNP3.0 Protocol
- Seamless tie-in to new or existing utility and heavy industrial applications without the need for additional gateways or protocol converters

#### Analog Inputs

- Monitor electrical and non-electrical parameters (e.g. temperature, flow rate, pressure etc.)

## 3. High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution



### 3.1 PowerLogic™ PM5000 Series Power Meters

- > IEC 61557-12 IEC for PMD (Power Measurement Devices)
- > **Accuracy** - Class 0.5S (PM51xx, PM53xx) and Class 0.2S (PM5560) - IEC Specifications
- > **4th CT** for neutral and ground current measurement (PM5560)
- > **Dual Ethernet** ports for daisy chain communication (PM5560)
- > **Internal** webpage (PM5560)
- > **Individual Harmonics** up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD
- > **Multi-tariff** Schedules 4 tariffs (PM53xx) & 8 tariffs (PM5560)
- > **Two Relay outputs** for circuit breaker monitoring & control (PM5330, PM5340)
- > **Logging** memory (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Demand prediction** based on sliding, fixed and rolling block, thermal methods (All models)
- > **Battery backed up** Real Time Clock (All models)
- > **Meter Insight-Through QR code**
- > 2DI/2DO/2AI (PM5570), RCM (PM5660), Waveform capture and Sag Swell + 2DI/2DO (PM5650), Waveform capture and Sag Swell + 2DI/2DO + RCM (PM5760)

Product	Description	Reference	Unit MRP [₹]
PM 5560	CI0.2S, 2 Ethernet + 1 RS485 Port, 4th CT, Webpage, 63rd Harmonic (magnitude & direction), 52 alarms, 4 DI, 2 DO, 8 multi tariff, 128 samples / cycle	30003008D	70023
PM 5340	CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003007D	40958
PM 5320	CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003005D	38175



### 3.2 Smart Demand Controller - EM7200 Series

- > Accuracy CL **0.2\***, **0.5S** and **Class 1.0** as per IEC 62053 21/22
- > **CE / UL** Certification as per IEC / UL61010 1 Ed 3
- > Versatile and fully user programmable, suitable for HT/LT with any CT/PT
- > 2 Digital inputs, **3 Form C Relay outputs** for control
- > **TOU** for time enabled tariff users and auto resetting of energy parameters - weekdays, weekends, public holidays & offs.
- > **Import / Export** option enables monitoring of bi-directional power flow (also called 4 - quadrant measurement)
- > Utility meter cross check
- > **19 demand profile** settings for optimal demand planning
- > THD and individual harmonics up-to 15th
- > **Predictive demand**, present demand, max demand with date/time stamp. 4 peaks and 4 lows

Product	Description	Reference	Unit MRP [₹]
EM 7290	Demand Controller CI0.2* with RS485 Port	30002975	55763
EM 7280	Demand Controller CI0.5S with RS485 Port	30002198	43500
EM 7230	Demand Controller CI1.0 with RS485 Port	30002055	40153

\* Class 0.2S compliance available in 3ph,4w system

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The easy choice for quality,  
value, and simplicity.

EasyLogic™ PM2000 series



- Active Accuracy - Class 0.5S/1.0 as per IEC62053-22/21
- Dual Sourcing - Utility or Solar or wind energy monitoring using the DI
- 12am (Configurable) Snapshot - Volt, Amp, Power & Energy
- Rate Counters - Configurable for Energy and KgCO2
- Expandable IO Module - Digital IO/Analog IO
- Calibration and Heart beat LED on the front display

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## 3. High Accuracy, Specialized Solutions- for MV/LV Distribution

### 3.3 EasyLogic™ PM2000 Series

#### Multifunction Power and Energy meter with 12am snapshot and Rate counters (kgCO2 / Energy)



- > Energy Standard - Class 0.5S /1.0 as per IEC 62053-22 / 21
- > Power quality analysis with THD & Ind. harmonics up to 31st
  - IO module integration (optional) – Digital Input/ Output, Analog Input/ Output
  - Dual / Multi sourcing - Capable of monitoring Utility & Genset/ Solar/Wind energy using the Multitariff and Digital Input.
  - 12am (Configurable) Snapshot – Snapshot of Avg Volt, Avg Amp, Total active power & energy delivered as measured by the meter at 12am (Configurable) of every day.
  - Rate Counters – Configurable rate counters for displaying kgCO2 or energy cost.
  - Onboard Data Logging – Configurable logging up to 2 parameters
  - Per-phase, avg/ total of Volts, Amps, PF, THD, Hz, W, Wh, VA, VAh, VAR, VARh, Max Demand & Import / Export
  - Min/Max Monitoring with Date/Time stamping
  - Communication : Pulse output or RS485 port

Product	Description	Reference	Unit MRP [₹]
PM2230	PM2230, LCD, RS485, Accuracy CI0.5S, 31st Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters, Data logging	METSEPM2230D	29576
PM2220	PM2220, LCD, RS485, Accuracy CI1, 15th Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters	METSEPM2220D	27208
PM2130	PM2130, LED, RS485, Accuracy CI0.5S, Ind. Harmonics up to 31st over communication, data logging	METSEPM2130D	28328
PM2K2DIDO*	Optional Digital IO card - 2 channel DI & DO for PM2000 Series	METSEPM2KDGTLIO22D	3361
PM2K1AIAO*	Optional Analog IO card - 1 channel AI & AO for PM2000 Series	METSEPM2KANLGIO11D	3985
PM2K2AIAO*	Optional Analog IO card - 2 channel AI & AO for PM2000 Series	METSEPM2KANLGIO22D	4855
PM2K2DI2RO*	EasyLogic™ PM2x30 2DI2RO Module 2-IO	METSEPM2K2DI2ROD	Price On Request

\* Optional IO modules can be used for PM2230 & PM2130 models only. Maximum upto 1 module can be used per device at a time.



# The future of multifunction meters is here

Hexa and EM6400NG<sup>+</sup> Series



Hexa Now in LCD



Hexa



EM6400NG<sup>+</sup>

## 4. India's Most Trusted, Reliable and Accurate Multifunction Meters



Green Premium Eco-Mark

### 4.1 EasyLogic™ EM6400NG+ Series, The Next Generation Workhorse

Multifunction Energy meter with NextGen features like Harmonics & Min/Max Monitoring, Digital security

- > **Energy Standard** – Class 0.2/0.5S/1 as per IEC 62053-22 / 21
- > **Power quality analysis** with THD & individual harmonics upto 15th over communication
- > **13 different wiring** configuration scheme
- > **Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export**
- > **Min/Max Monitoring** with Date/Time stamping
- > **Calibration LED** and Heart beat LED for communication Status
- > **Communication:** POP or RS485 port

Product	Description	Reference	Unit MRP [₹]
EM6400NG+	Class accuracy C10.2, RS485 port	METSEEM6400NGRSC2	29487
EM6400NG+	Class accuracy C10.5S, RS485 port	METSEEM6400NGRSC5	23686
EM6400NG+	Class accuracy C11.0, RS485 port	METSEEM6400NGRSC1	18696
EM6400NG+	Class accuracy C10.5S, POP	METSEEM6400NGPOCL5	16196
EM6400NG+	Class accuracy C11.0, POP	METSEEM6400NGPOCL1	14663

## 5. India's Most Trusted, Reliable and Accurate Multifunction Meters



### 5.1 Hexa Series EM64XXH and PM1130H Meters

Load Managers, Power & Energy, Dual Source Multifunction meters

- > Energy Accuracy - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Dual Sourcing with demand Monitoring, THD% for voltage & Current, 01 Relay Contact.
- > Configurable Favorite Page.
- > Sampling Rate of 32 Samples / Cycle.
- > Onsite Calibration Verification - Calibration LED.
- > Heart beat LED for communication status & meter healthiness.
- > Modus RS485 communication port.
- > Communication Disable from the front panel of the Meter.
- > Multi colored analog load bar with over load indication.
- > Configurable Password for secured setup of the device.

Product	Description	Reference	Unit MRP [₹]
PM1130H	EASYLOGIC™ PM1130H Dual Source Power & Energy Meter, Class accuracy 0.5, 01 Relay Contact, 01 RS485 port	METSEPM1130HCL05RD	17127
EM6438H	EasyLogic™ EM6438H Dual Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6438HCL05RS	8412
EM6438H	EasyLogic™ EM6438H Dual Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6438HCL10RS	7809
EM6436H	EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6436HCL05RS	12547
EM6436H	EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6436HCL10RS	10930
EM6436H	EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0	METSEEM6436HCL10NC	9351
EM6433H	EasyLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6433HCL05RS	7801
EM6433H	EasyLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6433HCL10RS	7349
EM6459H	EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6459HCL05RS	8288
EM6459H	EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6459HCL10RS	7775
EM6459H	EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0	METSEEM6459HCL10NC	6073

\* Conzerv is now EasyLogic™

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☑ NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022



## 5. India's Most Trusted, Reliable and Accurate Multifunction Meters

### 5.2 Hexa Series LCD Range: OEM Specialized applications

EasyLogic™ EM1220H | PM1225H | PM1230H meters are ideal replacements for multiple analog meters for stand-alone metering in OEM Panel Boards, Genset panels, Motor Control Centers, power factor improvement panels

- > **Energy Accuracy** - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Power quality analysis (THD %) | Phase angle between the voltage and current
- > **LCD display:** Elegant single row, bright back lit graphical LCD display 132 \* 32 pixels, Fast in-line view, three parameters name and value at one glance
- > **Suppression current:** To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).
- > **Protective cover:** Tamper-proof terminal screws do not detach from housing.
- > **Control power options:** Universal range 44 to 300V LN AC/DC or Low voltage DC control power option of 9 to 36V DC
- > Sampling Rate of 32 Samples / Cycle
- > Onsite Calibration Verification - Calibration LED
- > Heart beat LED for communication status & meter healthiness.
- > Modbus RS485 communication port
- > Communication Disable from the front panel of the Meter
- > Configurable Password for secured setup of the device
- > Smart line indicators in LCD display meter to check the presence of input supply voltage



Product	Description	Reference	Unit MRP [₹]
PM1230H	EasyLogic™ PM1230H Dual Source Power & Energy, Class Accuracy 0.5, 01 RS485 Port	METSEPM1230HCL5	16480
PM1225H	EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 0.5, 01 RS485 Port	METSEPM1225HCL5	22877
PM1225H	EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 1.0, 01 RS485 Port	METSEPM1225HCL1	18056
EM1220H	EasyLogic™ EM1220H Load Manager, Class Accuracy 0.5, 01 RS485 Port	METSEEM1220HCL5	12152
EM1220H	EasyLogic™ EM1220H Load Manager, Class Accuracy 1.0, 01 RS485 Port	METSEEM1220HCL1	10586

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022

Stay on top of it  
with **PowerTag**



Give your business a competitive edge with  
PowerTag wireless energy sensors

With PowerTag Energy, you can add innovation to any project with one simple action. Even in panels where space is at a premium, you can easily tag circuit breakers up to 630 A to help your customers reduce costs and improve efficiency. As a connected product, PowerTag Energy is a key part of ExoStruxure Power – Schneider Electric's IoT-enabled, open and interoperable architecture. And a small-but-impressive solution your customers will appreciate.



[se.com/poweritag](https://se.com/poweritag)

\* Secure it: As part of the Acti 9 communication system, PowerTag monitors loads and identifies load imbalances and overload levels before a trip occurs. PowerTag also alerts you to voltage losses, so you save time recovering your installation in the event of load downtime. An email alert means you can take preventive action thus avoiding potential downtime. © 2020 Schneider Electric. All Rights Reserved. Life Is On Schneider Electric is a trademark and the property of Schneider Electric SE, its subsidiaries and affiliated companies. 998-20959054\_GMA\_630A\_image63A\_PanelBuilder\_print ad.indd

## 6. PowerTag - World's Smallest Energy Sensor



### 6.1 PowerTag for MCB

#### Monitor Your Energy

- > Real time U, V, I, P, PF
- > Active energy metering (Class 1 EN 61557-12) partial and total
- > Load balance overview for 3P

#### Improve your Maintenance

- > Pre Alarm on overload
- > Specific "alarms" for U, I, P
- > Alarm on feeder voltage loss

Product	Description	Reference	Unit MRP [₹]
PowerTag	PowerTag Energy M63 1P+W	A9MEM1520	8932
PowerTag	PowerTag Energy M63 1P+N Top	A9MEM1521	8932
PowerTag	PowerTag Energy M63 1P+N Bottom	A9MEM1522	8932
PowerTag	PowerTag Energy M63 3P	A9MEM1540	18030
PowerTag	PowerTag Energy M63 3P+N Top	A9MEM1541	18030
PowerTag	PowerTag Energy M63 3P+N Bottom	A9MEM1542	18030
PowerTag	PowerTag Energy F63 1P+N	A9MEM1560	9814
PowerTag	PowerTag Energy F63 3P+N	A9MEM1570	19652
PowerTag	PowerTag Energy Sensor 63A -3P/3P+N	A9MEM1573	18716
PowerTag	PowerTag Energy Sensor 160A -F160 - 3P/3P+N	A9MEM1580	24168
PowerTag	PowerTag Energy Sensor Rope 200A - R200 - 3P/3P+N	A9MEM1590	45283
PowerTag	PowerTag Energy Sensor Rope 600A - R600 - 3P/3P+N	A9MEM1591	47315
PowerTag	PowerTag Energy Sensor Rope 800A - R1000 - 3P/3P+N	A9MEM1592	50577
PowerTag	PowerTag Energy Sensor Rope 2000A - R2000 - 3P/3P+N	A9MEM1593	53025



### 6.2 PowerTag for MCCB

- > Can also be installed in existing panels, designed to enhance the monitoring of your electrical assets
- > Simplifies the connectivity of individual breakers to a Building Management System (BMS) along with ease of installation
- > Visualize in real-time on your Smartphone or PC

Product	Description	Reference	Unit MRP [₹]
PowerTag	ENERGY SENSOR POWERTAG NSX - 250A 3P	LV434020	30985
PowerTag	ENERGY SENSOR POWERTAG NSX - 250A 3P+N	LV434021	33960
PowerTag	ENERGY SENSOR POWERTAG NSX - 630A 3P	LV434022	53555
PowerTag	ENERGY SENSOR POWERTAG NSX - 630A 3P+N	LV434023	58656

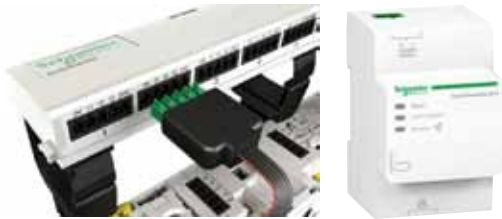
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022

## 6. PowerTag - World's Smallest Energy Sensor (cont.)

ComReady



### 6.3 Smartlink

- > Compliance to IEC/EN 61131-2
- > Protection Monitoring – Device Status and alarm notifications
- > Load Control / Switching through Contactors and Impulse Relays
- > Energy Monitoring through pulse meters
- > Alarm over email and analog sensors (temperature / humidity) with Smartlink Ethernet
- > Plug & Play – Pre fabricated cables and in built web pages
- > Rated Voltage: 24V DC

Product	Description	Reference	Unit MRP [₹]
Smartlink	Smartlink Modbus	A9XMSB11	42919
Smartlink	PowerTag Link	A9XMWD20	25178
Smartlink	Smartlink SI-B	A9XMZA08	48277

### 6.4 Communication Auxiliaries

Description	Reference	Unit MRP [₹]
Mounting Kit for Din Rail	A9XMFA04	1755
Prefabricated Cables M	A9XCAM06	6482
Locking Clips for Multiclip 80	A9XMLA02	765
Connectors 5 Pin	A9XC2412	8929
Prefabricated Cables L	A9XCAL06	7371
Prefabricated Cables S	A9XCAS06	6417
SEMI - Prefabricated Cables U	A9XCAU06	4430

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022



# EcoStruxure Facility Expert

Boost building performance and operating efficiency while reducing energy costs



## Your facility at your fingertips 24/7

With EcoStruxure™ Facility Expert, you can leverage the latest cloud services and data acquisition technologies of your smart electrical distribution network to gain maximum control over your operations.

- Gain insights into energy consumption and asset status
- Improve control of energy costs
- Keep key assets up and running
- Increase maintenance efficiency

[se.com/ecostruxure-facility-expert](https://se.com/ecostruxure-facility-expert)

# With Schneider Electric Partners, installation is easy



Turn to local, certified Schneider Electric partners to design, install, and commission EcoStruxure™ Facility Expert

Energy Features	
Energy consumption monitoring (main, usage, zone, meter)	✓
Alerts on main energy consumed when over target	✓
Multi-site comparison/Multi-site consumption aggregation	✓
Energy site performance vs. standard	✓
Power demand and power factor monitoring and alerts	✓
Energy score cards (monthly)	✓
Energy cost	✓
Energy kiosk	Option
Operations Features	
Maintenance plan, asset log history, asset doc repository	✓
Preconfigured alarms for SE equipment (Masterpact, Compact NSX, Power Tag)	✓
Custom alarms on threshold and status change (eg. Temperature, open-close contact)	✓
1 click intervention report	✓
Task manager and task reminder	✓
Sharing of asset information and tasks across teams (contributors)	✓

## Download Facility Expert now

Scan QR code on the right to download application



IOS



Android



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✓ NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022

## 7. DIN Rail Mount Meters - Accurate, Flexible Power Meters

Schneider Electric's new DIN rail mount meters are compact, versatile, high performance devices that confirm to exacting IEC standards with the added benefits of being i. Easy to install ii. Easy to modify and iii. Easy to maintain



### 7.1 PowerLogic™ PM3200 Series CI 0.5S Power Meters MV / LV Distribution

- > **Know network health through** all measurement parameters (I, In, U, V, PQS, E, PF, Hz, THD)
- > **Four-quadrant metering to differentiate energy**
  - Target green technologies (delivered/received)
  - Help reduce utility penalties (active/reactive)
- > **Up to 4 different time slots to manage multiple tariffs**
  - Peak, off-peak, workday, weekend
- > **DI/DO provide access to other areas of the electrical network & allow for more applications**
  - WAGES counting, remote reset, tariff control and energy pulse outputs
  - status input (circuit breaker trip or panel door opening), DO alarm for sound or light alert
- > **Data logging (PM3255)**
  - Save last 32 days, last 20 weeks and last 13 months consumption data in separate registers
  - Longer historical record helps create an accurate load profile, making benchmarking and trending easier

Product	Description	Reference	Unit MRP [₹]
PM 3255	Din rail Power meter Modbus	METSEPM3255	19708
PM 3210	Din rail Power meter pulse	METSEPM3210	17959

### 7.2 PowerLogic™ iEM3000 Series Class Meters - LV Distribution



iEM31xx: 63A direct connect - CI1.0  
iEM32xx: 1A / 5A CT connect - CI0.5S  
iEM33xx: 125A direct connect - CI1.0

Product	Description	Reference	Unit MRP [₹]
iEM3110 iEM3210 iEM3310	<ul style="list-style-type: none"> <li>&gt; Total kWh</li> <li>&gt; Partial kWh + date and time of last reset</li> <li>&gt; Pulse output up to 1000pulse/kWh</li> <li>&gt; 1 Digital Out</li> <li>&gt; Date and time of last reset</li> <li>&gt; MID legal metrology certification</li> </ul>	iEM3150 iEM3250 iEM3350	19708
iEM3165, 3175 iEM3265, 3275	<ul style="list-style-type: none"> <li>&gt; Total kWh, kVAh</li> <li>&gt; Four quadrant</li> <li>&gt; Partial kWh+ date and time of last reset</li> <li>&gt; By communication: kWh, kVAh, P, Q, S, K, PF, 4 tariffs, digital input status, date/clock</li> <li>&gt; 1 DI for circuit breaker status, input WAGES, 1 DO</li> </ul>	iEM3150 iEM3250 iEM3350	17959

### iEM 33xx - CI1.0, Direct current 125 A, Din Rail Meter

Product	Description	Reference	Unit MRP [₹]
iEM33xx	Three Phase, 125A Direct Current, Lonwork	A9MEM3375	25844
iEM33xx	Three Phase, 125A Direct Current, BACnet	A9MEM3365	24017
iEM33xx	Three Phase, 125A Direct Current, Modbus	A9MEM3350	20436
iEM33xx	Three Phase, 125A Direct Current, PulseO/P	A9MEM3310	19281

### Three phase CT Operated, Din Rail Meter / Direct Current-Three phase (upto 63A)

Product	iEM 32xx CI0.5S CT		iEM 31xx CI1.0 - Direct current	
	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
iEM 3x65	A9MEM3265	20818	A9MEM3165	20198
iEM 3x55	A9MEM3255	14592	A9MEM3155	16122
iEM 3x50	A9MEM3250	13683	A9MEM3150	15217
iEM 3x10	A9MEM3210	12534	A9MEM3110	13930

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W.E.F. January 25<sup>th</sup>, 2022



# IoT for an intelligent power network

## EcoStruxure™ Panel Server



EcoStruxure Panel Server is the next generation of gateway, providing a seamless connection of wired or unwired smart IoT devices to your edge control software or advisor. It is a foundational enabler for Schneider Electric EcoStruxure solutions.

### Electrical safety

Panel Server is an integral part of Schneider Electric's continuous thermal monitoring application, helping reduce risk of electrical fires, increase people and assets protection. Implement the thermal monitoring of your electrical panel by connecting thermal and heat sensors to your Panel Server.

### Power availability

Electrical distribution monitoring and power event analysis help avoid unplanned downtime caused by electrical failure. Panel server collects real-time data and alarms, presenting information through embedded webpages, making it available to edge control software or advisor for electrical system diagnostics. Use embedded webpages for first-level monitoring or monitor from your edge control.

### Optimize energy efficiency

Improve your facility's energy efficiency and reduce energy consumption with energy usage analysis and performance tracking. Panel Server collects and shares energy data to help achieve your energy conservation initiatives. It is certified as part of an energy data management system according to ISO 50001, 50002, 50006.

### Cybersecurity

Guarding your electrical assets and systems against cyberattacks is vital. Panel server is an IEC 62443 compliant device and is central to the IEC 62443-3-3 SL1 certified EcoStruxure Power system. Use Cybersecurity Admin Expert to manage user accounts, define your cybersecurity policy and retrieve security logs.



EcoStruxure Panel Server gives you access to the information you need to protect, maximize and optimize your power system.



Help keep people and assets safer



Maximize power availability



Optimize energy efficiency



Improve cybersecurity



# EcoStruxure™ Panel Server

## IoT for an intelligent power network

### All-in-one gateway

- Separates your OT network from your IT network
- Wireless data concentrator
- Modbus RS485 to Modbus TCP
- Supports multiple Ethernet connections for serving information to edge control software and cloud applications

### Simple commissioning

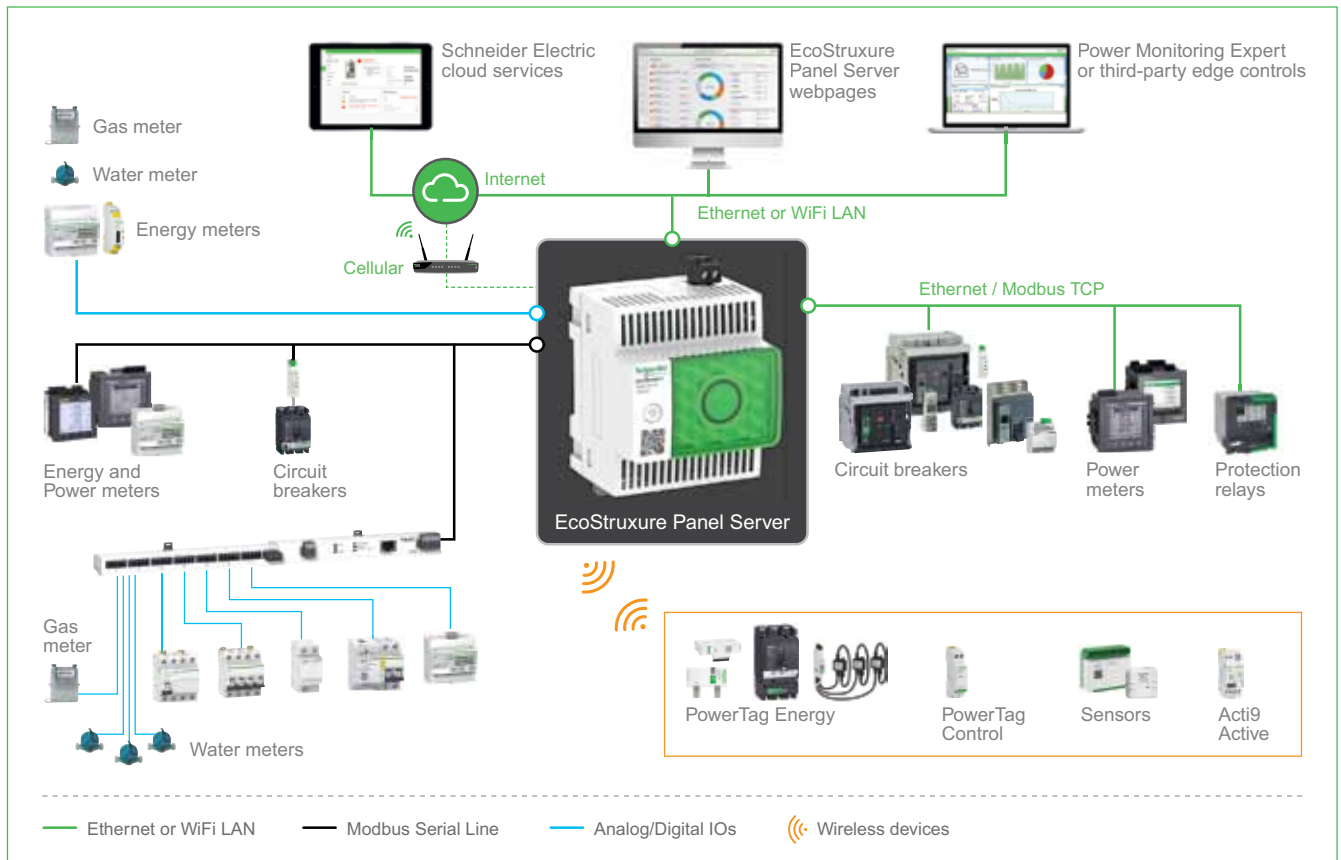
- EcoStruxure Power Commission software
- Device auto discovery
- Generation of acceptance reports to validate gateway configuration
- Commission via Bluetooth® or WiFi

### Intuitive operation

- User-friendly webpages offer first-level monitoring
- Contextualized data and operational insights
- Simple alarm setup for email notification
- Standardized IEC 62974-1 compliant datalogger and energy server



### Architecture overview



Please contact Customer Care Center for Stockable and Non stockable status of references.

☑️ **NORMAL STOCK ITEMS**

W.E.F. January 25<sup>th</sup>, 2022

## 8. Ethernet Communication Gateways

### 8.1 Ethernet Communication Gateway Server / Converters

#### Panel Server



- > Retrieve data from wireless & Modbus devices
- > Connect to edge control systems & cloud applications
- > Plug & Play easy commissioning
- > User friendly embedded webpages
- > Cybersecurity at the core

#### LINK150 Protocol Converter



- > Protocol Converter from Modbus RS485 to TCP/IP
- > Two (2) Ethernet ports for daisy chain Ethernet
- > Setup through built-in web pages
- > HTTP, HTTPS, FTP, SMTP, IPV6 Support
- > 24V DC and/or POE power supply

Product	Description	Reference	Unit MRP [₹]
Link150	Protocol Converter	EGX150	34721
Panel Server Universal	Panel Server Universal with 24V DC power supply	PAS600L	
	Panel Server Universal with 100-277 V AC/DC power supply	PAS600	

### 8.2 Ethernet – TCP/IP Protocol Meters & Accessories

Product	Description	Reference	Unit MRP [₹]
ION Products	ION 8800, ION 8650, ION 7650, ION 7550, PM8000 with Ethernet		On Request
PM 5560	Two Ethernet ports with single IP, CI0.2S, Web dashboard	30003008D	70023
PM 5340	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays	30003007D	40958
PM 5320	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs	30003005D	38175

## Accessories for Power Monitoring NEW

Description	Reference	Unit MRP [₹]
Adaptor Plate 144X144 mm	30000089	109
ELF adaptor plate	30001808	65
DM52XX Tamper protection kit - Set of 36 nos in 01 KIT	METSEDM5240TK	1253
IP65 protection cover for PM5XXX, PM2XXX, NG+ and Hexa	METSEIP65OP96X96FD	On Request

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022

## 9. Specialized Small Form Factor Meters - ELF Series



### 9.1 ELF32xx Series - VAF, Power & Energy Meters

- > Accuracy CI1.0, CI0.5
- > Aux Supply - 80 to 270Vac
- > Size - 96X48mm
- > Parameters - VAF, W/VA/VAr/PF
  - a) ELF3259 - VAF meter
  - b) ELF3234 - W/VA/VAr/PF
  - c) ELF3234\_3 - W/VA/VAr & PF

Product	Description	Reference	Unit MRP [₹]
ELF3234-3	ELF3234-3 CI0.5	30000619	7572
ELF3234	ELF3234 CI0.5	30000621	6480
ELF3259	ELF3259 CI0.5	30000620	3252
ELF3234-3	ELF3234-3 CI1.0	30000409	6048
ELF3234	ELF3234 CI1.0	30000859	5182
ELF3259	ELF3259 CI1.0	30000860	2594

## 10. LCD Display Energy Meters & VAF+PF Meters



High durability, sleek LCD display energy & VAF+PF meters

### 10.1 EM1000 / EM1200 Series

- > Accuracy CI0.5, CI1.0
- > **Parameters** - KW, kWh & PF
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

Product	Description	Reference	Unit MRP [₹]
EM1200	EM1200 CI0.5 RS	30002572	4999
EM1000	EM1000 CI0.5 POP	30002571	4291
EM1200	EM1200 CI1.0 RS	30002565	4120
EM1000	EM1000 CI1.0 POP	30002568	3394



### 10.2 DM 6100 Series – VAF, PF Meters

- > Accuracy CI0.5, CI1.0
- > **DM6100** - VAF, PF meter
- > **DM6300** - VAF, PF meter with RS 485 port

Product	Description	Reference	Unit MRP [₹]
DM6300	DM6300 CI0.5 RS	30002570	4119
DM6100	DM6100 CI0.5	30002569	3251
DM6300	DM6300 CI1.0 RS	30002566	3923
DM6100	DM6100 CI1.0	30002567	3097

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022

## 11. CE compliance - Volt/Amp/ frequency meter



### 11.1 EasyLogic™ DM3000 / DM1000

- > **CE compliance** as per latest IEC 61010-1
- > **50Hz** or 60Hz
- > **AC or DC** control power
- > **LED indicators** for phase identification in 3-ph meters
- > **Plus all features** of EasyLogic range DM3000 / DM1000

Product	Description	Reference	Unit MRP [₹]
DM3210	Three phase Voltmeter CI0.5	30002965	2908
DM3110	Three phase Ammeter CI0.5	30002964	2908
DM1210	Single phase Voltmeter CI0.5	30002962	1973
DM1110	Single phase Ammeter CI0.5	30002961	1973
DM1310	Frequency meter CI0.2	30002963	1502

## 12. Just the Basics - Voltage / Ampere / Frequency Meters



### 12.1 EasyLogic™ DM3000 / DM1000

#### Accuracy

- > Volts & Amps - CI 0.5/CI1.0
- > Frequency - 0.2
- > True RMS values

#### Bright red LED Display

- > Full 4 Digits, 0.1% Resolution
- > 14mm height, 7 segment

#### User-friendly

- > Auto exit from setup
- > Elegant ergonomic design
- > Intuitive dual function key
- > Bright LED indicators - Kilo & Phase indications for measured value

Product	Description	Reference	Unit MRP [₹]
DM3210	Three phase Voltmeter CI0.5	30002462	2371
DM3110	Three phase Ammeter CI0.5	30002461	2371
DM3210	Three phase Voltmeter CI1.0	30002386	1895
DM3110	Three phase Ammeter CI1.0	30002385	1895
DM1210	Single phase Voltmeter CI0.5	30002460	1605
DM1110	Single phase Ammeter CI0.5	30002459	1605
DM1210	Single phase Voltmeter CI1.0	30002366	1192
DM1110	Single phase Ammeter CI1.0	30002365	1192
DM1310	Single phase Frequency CI0.2	30002367	1192

\* Conzerv is now EasyLogic™

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NORMAL STOCK ITEMS

W.E.F. January 25<sup>th</sup>, 2022



The most versatile meter for  
your feeder applications



## PowerLogic ION7400

- Compact, 3-phase multifunction energy and power quality compliance meters
- Flexible and modular, with object-oriented intelligence
- Accurate, precise, and highly adaptable

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# Purpose-built to keep your power reliable and efficient

## EcoStruxure™ Power Monitoring Expert

Power is critical to your operations. Disruptions impact productivity and safety. Wasted energy and equipment failures affect your bottom line. Grid systems are also becoming more dynamic and regulations more challenging. You need a way to reveal hidden risk and new opportunities.

Award-winning EcoStruxure™ Power Monitoring Expert (PME) simplifies management of complex power systems. It brings unique new capabilities that protect people and assets, keeps operations running and saves time and money. As a key element in an EcoStruxure Power solution, PME takes full advantage of IoT connectivity and distributed intelligence to help maximize your uptime and operational efficiency:

- Smart events and alarm clustering for intuitive filtering, searching and categorization of events and alarms
- Graphical timelines easily analyze event and alarm sequence, location and potential impact
- Advanced energy visualization – analysis tools calculate, model, forecast and track energy performance indicators (EnPIs)
- Compliant with IEC62443 cybersecurity standards, for even the most demanding IT environments



EcoStruxure Power Monitoring Expert drives performance with the next generation in power and energy management.



Help keep people and assets safer



Optimize business reliability and continuity



Maximize operational lifecycle efficiency



Simplify compliance

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# The power of a SCADA uniquely designed for critical power management

## EcoStruxure™ Power Operation

No matter the size or complexity of your electrical system, you need reliable power 24/7. Every second of downtime in a power-critical facility means business interruption and financial loss, unsafe conditions and damaged reputations. Your team requires the ability to react and correct issues immediately for every potential risk.

EcoStruxure Power Operation is a SCADA system uniquely designed to help large electrical distribution applications in facilities like data centers, industrials, airports and electro-intensive operations maximize uptime, unite medium and low voltage networks and integrate mechanical monitoring.

### Power availability

Reduce downtime caused by electrical outages for optimum continuity and reliability. Using machine-learning algorithms and automation, Power Operation improves situational awareness to speed analysis and reduces the time required for your operators and engineers to discover root causes.

### Energy efficiency

Power Operation helps you set energy targets, track consumption and monitor performance. Create overall efficiencies to avoid peak penalties, identify bill errors and allocate energy costs. Real-time management and KPI reporting improve your operational efficiency.

### Cybersecurity

Stay connected while protecting people, electrical assets and valuable, sensitive information. Power Operation's third-party cybersecurity certifications provide peace of mind to give you operational confidence and helping you avoid malicious threats and safety hazards.



SCADA system for real-time situational awareness and cyber-resilient solutions



Maximize power reliability and uptime



Boost operational efficiency



Improve confidence in operations and security

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Life Is On

**Schneider**  
Electric

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New Delhi - 110064  
Tel.: 011-61317400

### Bhubaneswar

Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property Of-  
fice No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

### Indore

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Vijay Nagar, A.B.Road  
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### Chennai

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Bannari Amman Towers, B-Block  
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### Jaipur

Schneider Electric India (P) Ltd.  
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3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur - 302001  
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### Mumbai

Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
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Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

### Cochin

Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

### Kolkata

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Visakhapatnam - 530016  
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### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees.
- Prices are subject to change without prior notice.
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice.
- Prices charged will be as prevailing on the date of dispatch.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates.
- Invoice amount not to exceed MRP.
- Product pictures shown are for illustration purpose only, actual product may vary.

Distributor