

Introducing new range of **ION7400** and **PM8000 Series** with Class A compliance and Higher Sampling rate



PowerLogic™ Series

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



2.1 PowerLogic™ ION9000T

*Price On Request

The PowerLogic™ ION9000T is your 24/7 power quality expert, providing information, not just data.

- > High-Speed Transient Capture (HSTC) of voltage events 100 nano seconds or longer in duration and up to 10,000 V in magnitude with high speed and disturbance waveform captures, as well as prevent statistics on each transient.
- > Modular, flexible, patented ION™ programmable technology.
- > Industry leading Class 0.1S accuracy IEC 62052-11 ed.2, ANSI C12.20 Class 0.1 (active energy).
- > Patented Disturbance Direction Detection - The meter shall be able to provide a level of confidence that a voltage disturbance occurred upstream or downstream of the meter.
- > Onboard PQ Analysis – Complying with IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications.
- > Onboard pass/fail PQ characterization and assessment according to EN50160 and IEEE519.
- > Cybersecurity event logging, Syslog protocol, HTTPS, SFTP and full control of each communication port.
- > The meter support time synchronisation methods that include Precision Time Protocol, IRIG-B, GPS (RS485), NTP and software command.



2.2 PowerLogic™ ION9000

*Price On Request

ION9000 makes your power network safer, more reliable, efficient, and compliant.

- > Transient detection and capture: events 20 microseconds or longer in duration on any voltage channel with alarm, event log, and waveform capture.
- > 2 GB of standard non-volatile memory.
- > Fully compliant with IEC 61000-4-30 class A ed3 Power Quality standard according to IEC 62586-1 / -2.
- > Provides onboard power quality compliance monitoring according to EN50160 and IEEE519.
- > Can record voltage and current waveforms at 1024 samples per cycle
- > The meter is revenue class compliant to class 0.1S according to ANSI and IEC for both 5A and 1A nominal inputs.
- > Provides a graphical flexible programming capability to allow it to be adapted to nearly any application.
- > Can serve as a Modbus Master in a communication network, either through reading and logging data from other Modbus devices, or serving as a Modbus serial to Ethernet gateway.
- > Provides a level of confidence that a voltage disturbance occurred upstream or downstream of the meter.
- > Provides two color display options; one that is 96mm x 96mm with pushbutton controls and one that is 192mm x 192mm with touchscreen controls.

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NORMAL STOCK ITEMS

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



2.3 PowerLogic™ ION7400

*Price On Request

Providing high accuracy and a wide range of features for transmission and distribution metering, the versatile PowerLogic™ ION7400 series advanced utility meter has the flexibility to change along with your needs.

- > Meets stringent IEC and ANSI measurement accuracy standards including ANSI C12.20 accuracy class 0.2, current class 2 and 10, and IEC 62053-22 Class 0.2S and is fully compliant with IEC 61557-12 PMD.
- > The meter is certified by a third-party laboratory to the power quality standards IEC 61000-4-30, Edition 3 Class 'A' and IEC 62586-2 Edition 2. The meter's low pass anti-aliasing signal filters shall meet the requirements of IEC 61000-4-7.
- > Has sampling rate of 512 Samples/cycle.
- > Has a high-visibility color graphical display that is user programmable to display up to 6 parameters per screen.
- > Provides multi-port Ethernet and serial communications with at least two Ethernet ports and one RS485 serial port.
- > Industrial communication protocols supported by the meter includes Modbus, DNP3, and IEC 61850. The meter provides enhanced cybersecurity features not limited to HTTPS in accordance with TLS 1.2.
- > Has the ability to determine the location of a voltage disturbance by identifying the direction of the disturbance relative to the meter.



2.4 PowerLogic™ PM8000 Series

*Price On Request

The PowerLogic™ PM8000 series meters are compact, cost-effective multifunction power meters that will help you ensure reliability and efficiency of your power-critical facility.

- > Meets stringent IEC and ANSI measurement accuracy standards including ANSI C12.20 accuracy class 0.2, current class 2 and 10, and IEC 62053-22 Class 0.2S and be fully compliant with IEC 61557-12 PMD.
- > Certified by a third-party laboratory to the power quality standards IEC 61000-4-30, Edition 3 Class 'A' and IEC 62586-2 Edition 2. The meter's low pass anti-aliasing signal filters shall meet the requirements of IEC 61000-4-7.
- > Has sampling rate of 512 Samples/cycle*.
- > Has a high-visibility color graphical display that is user programmable to display up to 6 parameters per screen.
- > Has the ability to determine the location of a voltage disturbance by identifying the direction of the disturbance relative to the meter. The disturbance direction shall be captured in the device's event log, along with a timestamp and confidence level indicating level of certainty.
- > Meter's on-board web server provides access to real-time values, power quality information, and basic meter configuration.
- > Provides set-point driven alarming capability.
- > Captures voltage and current channels for sub-cycle disturbances, as well as multi-cycle sags, swells and outages in quick succession, without dead time between recordings.

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The new benchmark in competitive, precision metering

PowerLogic™ PM55/56/5700 Series

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

The PowerLogic™ PM5000 series power meters are the new benchmark in affordable, precision metering.

- > Easy to install and operate.
- > Easy for circuit breaker monitoring and control with two Relay outputs (PM5330, PM5340.)
- > Identify power quality events to avoid downtime, prevent equipment damage.
- > Load management combined with alarm and timestamping
- > High performance and accuracy - Provides Class 0.2S accuracy per IEC 62053-22 standard.
- > Residual Current Monitoring in PM5660 and PM5760
- > Voltage sag and swell detection with waveform capture in PM5650 and PM5760.
- > Individual Harmonics up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD.
- > Onboard BACnet/IP, EtherNet/IP, and DNP3.0 protocol support
- > Demand prediction based on sliding, fixed and rolling block, thermal methods.
- > Data logging upto 16 parameters.
- > WAGES Monitoring.
- > 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.

| Product | Description | Reference | Unit MRP [₹] |
|---------|--|-------------|--------------|
| PM5760 | CI 0.2S, 63rd Harmonic, 1.1 MB, 2DI/2DO, RS-485, Ethernet, WaveForm Capture and Sag/Swell, RCM | METSEPM5760 | 143378 |
| PM5660 | CI 0.2S, 63rd Harmonic, 1.1 MB, 2DI/2DO, RS-485, Ethernet, RCM | METSEPM5660 | 119684 |
| PM5650 | CI 0.2S, 63rd Harmonic, 1.1 MB, 4DI/2DO, RS-485, Ethernet, WaveForm Capture and Sag/Swell | METSEPM5650 | 125457 |
| PM5580 | CI 0.2S, 63rd Harmonic, 1.1 MB, 4DI/2DO, RS-485, Ethernet | METSEPM5580 | 94248 |
| PM5570 | CI 0.2S, 63rd Harmonic, 1.1 MB, 2DI/2AI/2DO, RS-485, Ethernet | METSEPM5570 | 92218 |
| PM5560 | CI 0.2S, 63rd Harmonic, 1.1 MB, 4DI/2-DO, RS-485, Ethernet | 30003008D | 91466 |
| PM5340 | CI 0.5S, 31st Harmonic, 256 kB, 2DI/2DO/2-Relay, Ethernet | 30003007D | 53500 |
| PM5320 | CI 0.5S, 31st Harmonic, 256 kB, 2DI/2DO, Ethernet | 30003005D | 49865 |

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



3.2 Smart Demand Controller - EM7200

EasyLogic™ EM7230 / EM7280 / EM7290 is a smart demand controller for optimizing maximum demand charges in LV or MV circuits.

- > Accuracy Class 0.2*, 0.5S and Class 1.0 as per IEC 62053 21/22.
- > True RMS measurement 64 samples per cycle.
- > Power quality analysis: THD % measurements and Individual harmonics up to 31st order for voltage and current, per-phase.
- > Demand management: Simultaneous display of peak, present, predicted & rising demands of all the four demand parameters (W, VA, VAR, Amps) configurable for 1 to 30 minutes interval with prediction and spare load.
- > Multi-tariff energy - 4 multi tariff registers, can be activated through RTC.
- > On board 3 Form C mechanical relays for Demand control and management.
- > PF Lock features for advanced Revenue metering.
- > On board Modbus RTU RS-485 communication port.
- > Billing: Tenant billing/utility meter cross check (where local regulations are not applicable).
- > 4 Highs' & 4 Lows' for Instantaneous and Demand parameters with Date & Time stamp.

| Product | Description | Reference | Unit MRP [₹] |
|---------|--|-----------|--------------|
| EM 7290 | Demand Controller CI0.2 ⁽⁺¹⁾ , RS-485 | 30002975 | 74946 |
| EM 7280 | Demand Controller CI0.5S, RS-485 | 30002198 | 58464 |
| EM 7230 | Demand Controller CI1.0, RS-485 | 30002055 | 53966 |

⁽⁺¹⁾Class 0.2S compliance available in 3ph,4w system

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



3.3 EasyLogic™ PM2000 Series

Offering all the measurement capabilities required to monitor and electrical installation in a single 96 x 96 mm unit, with LED or LCD display options.

- > Energy Standard - Class 0.5S /1.0 as per IEC 62053-22 / 21.
- > Easy to install: Mounts using two clips, no tools are required.
- > Easy to operate: Intuitive navigation with self guided menus and test LED at the front panel used for test and calibration of the meter on site or laboratory.
- > Power quality analysis: Offers THD measurements and Individual harmonics up to 15th order in PM2x20 variants and up to 31st in PM2x30 variants.
- > Load management: Simultaneous display of peak, present, predicted & rising demands of all the four demand parameters.
- > Billing: Tenant billing/utility meter cross check.
- > Password: Field configurable password for securing set up information and prevent tampering of integrated values.
- > Cyber security: Option for disabling RS-485 port through front panel keys against unauthorized access. It helps during installation and trouble shooting of communication network.
- > 12am snap shot: The values from summary page will be stored as snap shot and refreshed by next day 12am.
- > Rate counters: 2 configurable counters display values in custom specified units based on energy recorded (e.g., kgCO2 carbon emission or energy cost).

| Product | Description | Reference | Unit MRP [₹] |
|----------------------------|--|--------------------|--------------|
| PM2230 | CI 0.5S, LCD display, 31st Harmonics, RS-485, 12 AM Snapshot, kgCO2 counters | METSEPM2230D | 39369 |
| PM2220 | CI 1.0, LCD display, 15th Harmonics, RS-485, 12 AM Snapshot, kgCO2 counters | METSEPM2220D | 36218 |
| PM2130 | CI 0.5S, LED display, 31st Harmonics ⁽⁺¹⁾ , RS-485 | METSEPM2130D | 37708 |
| PM2K2DIDO ⁽⁺²⁾ | Module with 2-Digital input and Relay outputs for PM2x30 meter | METSEPM2KDGTLIO22D | 4075 |
| PM2K1AIAO ⁽⁺²⁾ | Module with 1 each Analog input and output for PM2x30 meter | METSEPM2KANLGIO11D | 4832 |
| PM2K2AIAO ⁽⁺²⁾ | Module with 2-Analog inputs and outputs for PM2x30 meter | METSEPM2KANLGIO22D | 5886 |
| PM2K2DI2RO ⁽⁺²⁾ | Module with 2-Digital input and Relay outputs for PM2x30 meter | METSEPM2K2DI2ROD | 5726 |

⁽⁺¹⁾Through communication only

⁽⁺²⁾Any one IO module can be used at a time with PM2130 or PM2230 meter. The control power range with IO module shall be 72 to 304 V AC L-N or 90 to 304 V DC.

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Envisioning **Atmanirbhar Bharat**
by creating world-class products in
India, for India and the world



EasyLogic™ Series and PowerLogic™ Series

4. India's Most Sold Multifunction Meters



Green Premium Eco-Mark

4.1 EasyLogic™ EM6400NG+

EM6400NG+, is an enhanced version of EM6400NG and legacy EM6400 meter series with innovative features to meet the needs of energy efficient India.

- > Energy standards: Active energy Class 0.5S/ Class 0.2* as per IEC 62053-22, Active energy Class 1.0 as per IEC 62053-21. Reactive energy Class 1 as per IEC 62053-24.
- > LED display: Intuitive navigation with self-guided, three buttons, LEDs of height ~14.2 mm (0.55 in), and three lines of concurrent values.
- > Compliant to IEC 61557-12: PMD/[SD]SS]/K55/1 for Class 1 and PMD} SD]SS]/K55/0.5 for Class 0.5S and Class 0.2 (for firmware version 1.3.0 and higher).
- > Power quality analysis: The EM6400NG+ offers THD % measurements and Individual harmonics up to 15th order for voltage and current parameters, per-phase basis.
- > Load management: Peak demands of all the four demand parameters (W, VA, VAR, Amps) with date and time stamp.
- > Communication – Pulse output, RS485.
- > Cybersecurity: Option for disabling RS-485 port through front panel keys against unauthorized access. This feature can also be used for toggling between the RTU devices in case of limited availability of nodes in software system.
- > Suppression current: To disregard induced or negligible current flowing in the circuit, minimum value of current detection can be settable from 5 to 99 mA, default is 5 mA.
- > Green premium: EOL, REACH, PEP, RoHS compliance.

| Product | Description | Reference | Unit MRP [₹] |
|-----------|---|--|--------------|
| EM6400NG+ | CI 0.2, LED display, THD, 15th Harmonics, RS-485 | METSEEM6400NGRSC2 | 36461 |
| EM6400NG+ | CI 0.5S, LED display, THD, 15th Harmonics, RS-485 | METSEEM6400NGRSC5 | 25340 |
| EM6400NG+ | CI 1.0, LED display, THD, 15th Harmonics, RS-485 | METSEEM6400NGRSC1 <input checked="" type="checkbox"/> | 20292 |
| EM6400NG+ | CI 0.5S, LED display, THD, 15th Harmonics, POP | METSEEM6400NGPOCL5 | 17609 |
| EM6400NG+ | CI 1.0, LED display, THD, 15th Harmonics, POP | METSEEM6400NGPOCL1 <input checked="" type="checkbox"/> | 15685 |

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Introducing new range of **Hexa Series**

EasyLogic™ PM11XXH Series

- Energy Import and Export
- Conformal coating
- Digital Input Relay Output
- Accuracy Class : Class 1.0 & Class 0.5S for Active Energy



EasyLogic™ Series

5. India's Most Trusted, Reliable and Accurate Load Managers



5.1 Hexa Series EM64XXH and PM1130H Meters

Ideal replacement for multiple analog meters for stand-alone metering in custom panels, switch boards, switch-gear, genset panels, motor control centres, power factor improvement panels, and OEM panel board.

- > Energy standards: Active energy Class 0.5 as per IEC 62053-22, Active energy Class 1.0 as per IEC 62053-21. Reactive energy Class 1 as per IEC 62053-23.
- > Favourite page: The device enables user with the option to select parameters to be set in favourite page on in EM6436H.
- > Power and energy: measurement, display and recording of any one power and corresponding energy parameters simultaneously in EM6433H, EM6436H and EM6438H - W/Wh or VA/ VAh or VAR/ VARh.
- > Compliant to IEC 61557-12: PMD/[SD|SS]/K70/1 for Class 1 and PMD/[SD|SS]/K70/0.5 for Class 0.5S.
- > Analog load bar in LED display type: The colour-coded analog load bar at the front side indicates the percentage of load through 12 LED's with the option to select full scale based on connected load.
- > Protective cover: Tamper-proof terminal screws do not detach from housing.
- > Password: Field configurable password for securing set up information and prevents tampering of integrated values.
- > Cyber security: Option for disabling RS-485 port through front panel keys against unauthorized access.

| Product | Description | Reference | Unit MRP [₹] |
|---------|--|--|--------------|
| PM1130H | CI 0.5, LED display, Demand, THD, RS-485, 1 Relay, Dual Source P&E | METSEPM1130HCL05RD | 22436 |
| EM6438H | CI 0.5, LED display, RS-485, Dual Source P&E | METSEEM6438HCL05RS | 11020 |
| EM6438H | CI 1.0, LED display, RS-485, Dual Source P&E | METSEEM6438HCL10RS <input checked="" type="checkbox"/> | 10230 |
| EM6436H | CI 0.5, LED display, RS-485, MFM | METSEEM6436HCL05RS | 14434 |
| EM6436H | CI 1.0, LED display, RS-485, MFM | METSEEM6436HCL10RS <input checked="" type="checkbox"/> | 12467 |
| EM6436H | CI 1.0, LED display, No Communication, MFM | METSEEM6436HCL10NC | 10412 |
| EM6433H | CI 0.5, LED display, RS-485, A + P & E | METSEEM6433HCL05RS | 10219 |
| EM6433H | CI 1.0, LED display, RS-485, A + P & E | METSEEM6433HCL10RS <input checked="" type="checkbox"/> | 9626 |
| EM6459H | CI 0.5, LED display, RS-485, VAF + PF | METSEEM6459HCL05RS | 10856 |
| EM6459H | CI 1.0, LED display, RS-485, VAF + PF | METSEEM6459HCL10RS <input checked="" type="checkbox"/> | 10186 |
| EM6459H | CI 1.0, LED display, No Communication, VAF + PF | METSEEM6459HCL10NC | 7956 |

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5. India's Most Trusted, Reliable and Accurate Load Managers



5.2 Hexa Series LCD Range

Offering all the measurement capabilities required to monitor the electrical installation in 132 * 32 pixels LCD display.

- > Energy standards: Active energy Class 0.5 as per IEC 62053-22, Active energy Class 1.0 as per IEC 62053-21. Reactive energy Class 2 as per IEC 62053-23.
- > 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.
- > Power and energy: measurement, display and recording of three power and corresponding energy parameters simultaneously in PM1225H - W/Wh, VA/ VAh and VAR/ VARh.
- > Communication : RS-485 serial channel connection Industry standard Modbus RTU protocol.
- > IP degree of protection: IP 51 front side, IP 30-meter body, tested as per IEC 60529 - upgrade to IP65 front side with Optional accessory kit METSEIP65OP96X96FF.
- > Password: Field configurable password for securing set up information and prevents tampering of integrated values.
- > Smart line indicators in LCD display meter: Helps check the presence of input supply voltage (healthy phase).
- > Suppression current: To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).

| Product | Description | Reference | Unit MRP [₹] |
|---------|---|-----------------|--------------|
| PM1230H | CI 0.5, LCD display, Demand, THD, RS-485, Dual Source P&E | METSEPM1230HCL5 | 20690 |
| PM1225H | CI 0.5, LCD display, Restricted MFM, RS-485 | METSEPM1225HCL5 | 28723 |
| PM1225H | CI 1.0, LCD display, Restricted MFM, RS-485 | METSEPM1225HCL1 | 22670 |
| EM1220H | CI 0.5, LCD display, Load Manager, RS-485 | METSEEM1220HCL5 | 15257 |
| EM1220H | CI 1.0, LCD display, Load Manager, RS-485 | METSEEM1220HCL1 | 13292 |

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



5.3 Hexa Series PM112XH Series

Assured quality that you can trust to meet your needs throughout its lifecycle.

- > Energy standards: Active energy Class 0.5 as per IEC 62053-22, Active energy Class 1.0 as per IEC 62053-21. Reactive energy Class 2 as per IEC 62053-23.
- > LED display: Intuitive navigation with self-guided, four buttons, 8 segment alphanumeric LEDs of height ~14.2 mm (0.55 in), and three lines of concurrent values with Kilo & Mega value indicators.
- > Power and energy: measurement, display and recording of three power and corresponding energy parameters simultaneously in PM1125H - W/Wh, VA/ VAh and VAR/ VARh.
- > Communication: RS-485 serial channel connection Industry standard Modbus RTU protocol.
- > PM1120H, measurement and display of any one power parameter at a time - configurable through set-up/ communication. Energy measurement depends on type of power parameter selected during set up (W/Wh or VA/VAh or VAR/VARh).
- > Delivered & Received or Forward & Reverse or Import & Export energy (4 quadrant) - Accumulated or Integrated active (Real - Wh), reactive (VARh), apparent (VAh). 2 quadrant energy measurement in PM1120H.
- > Suppression current: To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).

| Product | Description | Reference | Unit MRP [₹] |
|------------------------|---|--------------------|--------------|
| PM1120H ^(*) | CI 1.0, LED display, Demand, THD, RS-485, P & E | METSEPM1120HCL10RD | 19760 |
| PM1125H | CI 0.5, LED display, Demand, THD, RS-485, MFM | METSEPM1125HCL05RD | 27154 |
| PM1125H | CI 1.0, LED display, Demand, THD, RS-485, MFM | METSEPM1125HCL10RD | 21713 |

^(*)Measurement and display of any one power parameter at a time (W/Wh or VA/VAh or VAR/VARh).



5.4 Hexa Series PM11XXH Series

The EasyLogic™ PM1000H Series basic power and energy meters with the option of Conformal Coating and DIRO

- > Digital Input Relay Output (DIRO): Ensures compatibility and functionality with DIRO systems.
- > Conformal Coating: Provides protection against environmental factors, enhancing durability.
- > Energy Import and Export: Measures both energy consumption and generation for comprehensive energy management.
- > Sampling Rate: Offers detailed measurement accuracy by sampling 32 times within each cycle.
- > Harmonics: Includes analysis of up to the 15th harmonic for comprehensive power quality assessment.
- > Accuracy Classes:
 - Class 1.0 for active energy as per the test limits given in IEC 62053-21 and IEC 61557-12
 - Class 0.5S for active energy as per the test limits given in IEC 62053-22 and IEC 61557-12
 - Class 2.0 for reactive energy as per the test limits given in IEC 62053-23 and IEC 61557-12

| Product | Description | Reference | Unit MRP [₹] |
|-----------|--------------------------------------|-------------------|--------------|
| PM1110 | PM1110H Power meter Class 0.5 RS485 | METSEPM1110HCL05 | 13119 |
| PM1110 | PM1110H Power meter Class 1.0 RS485 | METSEPM1110HCL1 | 12494 |
| PM1125 CC | PM1125HC Power meter Class 0.5 RS485 | METSEPM1125HCCL05 | 16530 |
| PM1125 CC | PM1125HC Power meter Class 1.0 RS485 | METSEPM1125HCCL1 | 15744 |
| PM1140 | PM1140H Power meter Class 1.0 RS485 | METSEPM1140HCL1 | 17633 |
| PM1140 | PM1140H Power meter Class 0.5 RS485 | METSEPM1140HCL5 | 18515 |

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Energy metering integration made simple

Acti9 iEM2000 and iEM3000 series
Intelligent Energy Meters



se.com/in

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



7.1 PowerLogic™ PM3200 Series

Cost-attractive, feature-rich range of DIN rail mounted power meters that offers all the measurement capabilities required to monitor an electrical installation.

- > Energy standards: Active energy Class 0.5S as per IEC 62053-22, Active energy Class 1.0 as per IEC 62053-21. Reactive energy Class 2 as per IEC 62053-23 and IEC 61557-12.
- > Supported monitoring parameters include a full range of 3-phase voltage, current, power, energy, and demand measurements, power factor, frequency and total harmonic distortion.
- > Support four-quadrant metering at 32 samples per cycle.
- > Backlit dot-matrix LCD display, anti-glare and scratch resistant with a minimum of 128 x 96 pixels, capable of displaying four values in one screen simultaneously.
- > Onboard data logging to log energy data and alarms.
- > Supports up to 18 set-point driven alarms.
- > Multi-tariffs meter with up to 4 tariffs and can be controlled by internal real-time clock, digital input or communication.
- > Has Import and Export | Active and Reactive Energy Measurement.
- > Equipped with Anti-tamper security feature to ensure the integrity of the measurements.

| Product | Description | Reference | Unit MRP [₹] |
|---------|-------------------------------|-------------|--------------|
| PM3255 | Power meter + 2 DIDO | METSEPM3255 | 24997 |
| PM3250 | Power meter with RS-485 port | METSEPM3250 | 24341 |
| PM3210 | Power meter with pulse output | METSEPM3210 | 22780 |

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



7.2 PowerLogic™ iEM2000 and iEM3000 Series

Cost-attractive, feature-rich, Acti9 energy meters are perfect for helping your customers' installations become more energy efficient.

- > Accuracy class 1.0 and 0.5S (IEC 62053-21/22:2020) for active energy metering.
- > Compliance to regulations EN50470-1/3, IEC 61557-12, IEC 62053-21/22/23: 2020, IEC 62052-31:2015, IEC 62052-11:2020.
- > Bottom-to-bottom, direct connection with ratings: 40 A (iEM2000 models), 63 A (iEM3100 models), 100 A (iEM24x5 models) and 125 A (iEM3300 models).
- > Four-quadrant metering to differentiate energy consumption.
- > Additional parameters (Voltage, Current, PF, Frequency, Power - active, reactive, apparent) to monitor network balance and overload behavior.
- > Save up to four different time slots to manage multiple tariffs (peak/off-peak, workday/weekend).
- > Use the meter as a pulse counter for another meter (WAGES monitoring).
- > kW overload alarm helps prevent utility demand charges.
- > Control tariffs via digital inputs, internal clock, or communication.
- > Antitamper sealing parts prohibit accessibility to all metering connections.
- > Well protected for normal use: IP40 on front face, IP20 inside cabinet.

| Product | Description | Reference | Unit MRP [₹] |
|---------|---|-----------|--------------|
| iEM2435 | Power and Energy meter, CI 1, M-Bus, MID, 2 tariffs, 2 pulse outputs, 4 quadrants, LCD display | A9MEM2435 | 19427 |
| iEM2455 | Power and Energy meter, CI 1, RS-485, MID, 2 tariffs, 2 pulse outputs, 4 quadrants, LCD display | A9MEM2455 | 17988 |
| iEM3110 | Energy meter with pulse output | A9MEM3110 | 17669 |
| iEM3150 | Energy meter, RS-485 | A9MEM3150 | 19301 |
| iEM3155 | Advanced multi-tariff energy meter, RS-485 | A9MEM3155 | 20448 |
| iEM3165 | Advanced multi-tariff energy meter, BACnet MS/TP | A9MEM3165 | 25619 |
| iEM3200 | Basic energy meter | A9MEM3200 | 15885 |
| iEM3210 | Energy meter with pulse output | A9MEM3210 | 15898 |
| iEM3235 | Advanced multi-tariff energy meter, M-Bus | A9MEM3235 | 30617 |
| iEM3250 | Energy meter, RS-485 | A9MEM3250 | 17356 |
| iEM3255 | Advanced multi-tariff energy meter, RS-485 | A9MEM3255 | 18508 |
| iEM3265 | Advanced multi-tariff energy meter, BACnet MS/TP | A9MEM3265 | 26404 |
| iEM3300 | Basic energy meter | A9MEM3300 | 17076 |
| iEM3310 | Energy meter with pulse output | A9MEM3310 | 24455 |
| iEM3350 | Energy meter, RS-485 | A9MEM3350 | 25921 |
| iEM3355 | Advanced multi-tariff energy meter, RS-485 | A9MEM3355 | 26962 |
| iEM3365 | Advanced multi-tariff energy meter, BACnet MS/TP | A9MEM3365 | 30463 |
| iEM3555 | Advanced multi-tariff energy meter, RS-485 | A9MEM3555 | 33765 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

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

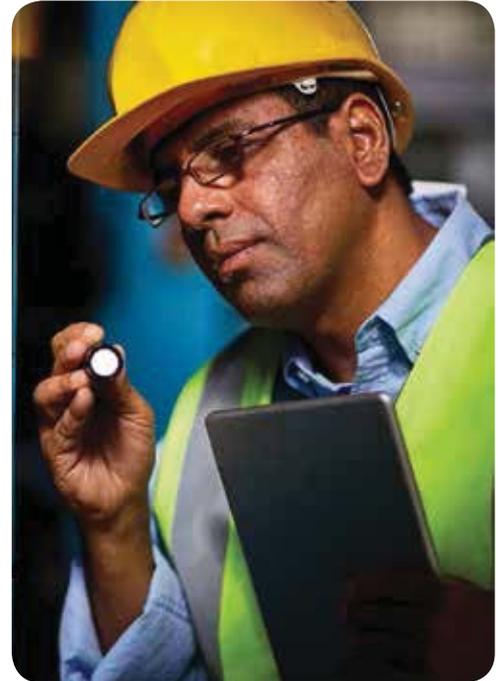
- Separates your OT network from your IT network
- Wireless data concentrator
- Modbus RS485 to Modbus TCP
- Supports multiple Ethernet connections for serving information to edge control software and cloud applications

Simple commissioning

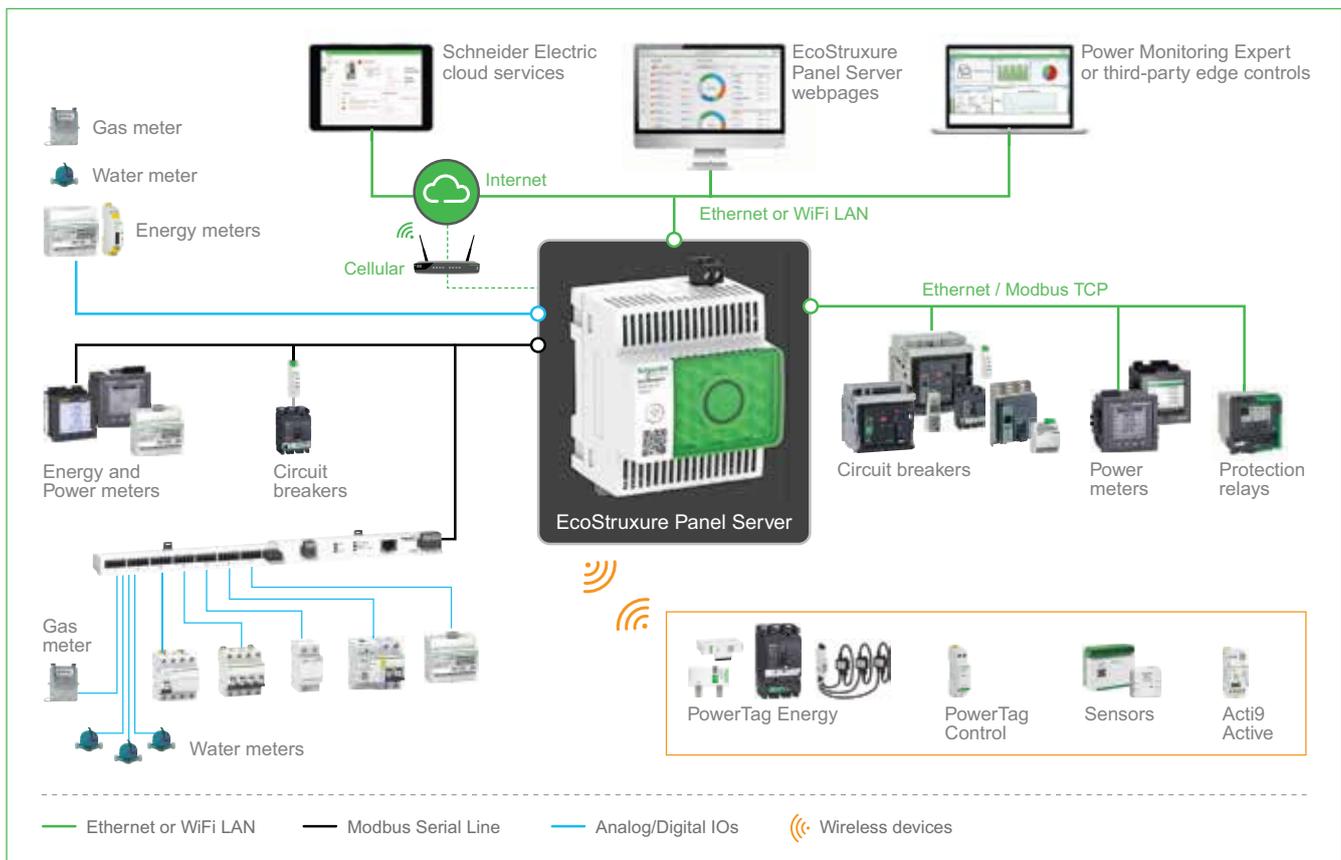
- EcoStruxure Power Commission software
- Device auto discovery
- Generation of acceptance reports to validate gateway configuration
- Commission via Bluetooth® or WiFi

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. July 15th, 2025

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.

| Product | Description | Reference | Unit MRP [₹] |
|------------------------|--|-----------|--------------|
| Panel Server Universal | Panel Server Universal with 24V DC power supply | PAS600L | 45697 |
| | Panel Server Universal with 100-277 V AC/DC power supply | PAS600 | 45697 |
| Panel Server Entry | Panel Server Entry with 110-277VACDC | PAS400 | 28231 |
| Panel Server Advanced | Panel Server Advanced with 110-277VACDC | PAS800 | 84693 |
| | Panel Server Advanced with 24VDC | PAS800L | 84693 |

Accessories for Power Monitoring NEW

| Description | Reference | Unit MRP [₹] |
|--|--------------------|--------------|
| IP65 protection cover for PM5XXX, PM2XXX, NG+ and Hexa | METSEIP65OP96X96FD | 4336 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

9. LCD Display Energy Meters & VAF+PF Meters



9.1 EM1000 / EM1200 Series

Power & Energy Meter for electrical load and energy monitoring

- > Accuracy Class 1.0, 0.5.
- > Elegant single row backlit LCD display.
- > Monitors: PF, W/VA/Var.
- > Three parameters, name and value at single glance with direct reading of primary values.
- > Smart line indicators to check the healthy phase of input voltage.
- > Pulse output / RS485 communication port with Modbus RTU protocol.

| Product | Description | Reference | Unit MRP [₹] |
|---------|------------------|--|--------------|
| EM1200 | EM1200 CI0.5 RS | 30002572 | 5969 |
| EM1000 | EM1000 CI0.5 POP | 30002571 | 5124 |
| EM1200 | EM1200 CI1.0 RS | 30002565 <input checked="" type="checkbox"/> | 4919 |
| EM1000 | EM1000 CI1.0 POP | 30002568 <input checked="" type="checkbox"/> | 4053 |



9.2 DM 6100 Series

High durability, sleek LCD display VAF+PF meters

- > Accuracy Class 1.0, 0.5.
- > Elegant single row, backlit LCD display.
- > Monitors: V, A, F, PF.
- > Three parameters, name and value at single glance with direct reading of primary values.
- > Four smart keys for easy navigation.
- > Smart line indicators to check the healthy phase of input voltage.
- > RS485 communication port with Modbus RTU protocol.

| Product | Description | Reference | Unit MRP [₹] |
|---------|-----------------|-----------|--------------|
| DM6300 | DM6300 CI0.5 RS | 30002570 | 4942 |
| DM6100 | DM6100 CI0.5 | 30002569 | 3902 |
| DM6300 | DM6300 CI1.0 RS | 30002566 | 4707 |
| DM6100 | DM6100 CI1.0 | 30002567 | 3716 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

10. CE compliance - Volt/Amp/ frequency meter



10.1 EasyLogic™ DM3000 / DM1000

Digital panel meters for measurement of Volt / Amps / Frequency electrical parameters.

- > Accuracy 0.5 % on full scale for Volt & Amps and 0.2 % for Frequency.
- > CE certification as per IEC 61010-1 Edition 3.
- > Easy to operate: Intuitive navigation with single button for self-guided menus.
- > EMI/EMC tests as per IEC 61326-1.
- > Control power options: Universal range 44 to 275 V L-N AC/DC.
- > Panel key: Single key for programming, navigation or as selector switch.
- > Green premium Ecolabel product.

| Product | Description | Reference | Unit MRP [₹] |
|---------|------------------------------|-----------|--------------|
| DM3210 | Three phase Voltmeter CI0.5 | 30002965 | 3762 |
| DM3110 | Three phase Ammeter CI0.5 | 30002964 | 3762 |
| DM1210 | Single phase Voltmeter CI0.5 | 30002962 | 2553 |
| DM1110 | Single phase Ammeter CI0.5 | 30002961 | 2553 |
| DM1310 | Frequency meter CI0.2 | 30002963 | 1944 |

11. Just the Basics - Voltage / Ampere / Frequency Meters



11.1 Just the Basics - Voltage / Ampere / Frequency Meters

Digital panel meters which can be used in industrial and commercial settings for measurement of Volt / Amps / Frequency electrical parameters

- > Accuracy 0.5 % on full scale for Volt & Amps and 0.2 % for Frequency.
- > Easy to operate: Intuitive navigation with single button for self-guided menus.
- > Panel key: Single key for programming, navigation or as selector switch.
- > LED display: 7 segment numeric LEDs of height ~14.2 mm (0.55 in) with 4 digits display in one row with kilo value indicator.
- > Bright LED indicators - Kilo & Phase indications for measured value.
- > Compact meter with 43.5 mm depth behind the panel.

| Product | Description | Reference | Unit MRP [₹] |
|---------|------------------------------|--|--------------|
| DM3210 | Three phase Voltmeter CI0.5 | 30002462 <input checked="" type="checkbox"/> | 3065 |
| DM3110 | Three phase Ammeter CI0.5 | 30002461 <input checked="" type="checkbox"/> | 3065 |
| DM3210 | Three phase Voltmeter CI1.0 | 30002386 <input checked="" type="checkbox"/> | 2451 |
| DM3110 | Three phase Ammeter CI1.0 | 30002385 <input checked="" type="checkbox"/> | 2451 |
| DM1210 | Single phase Voltmeter CI0.5 | 30002460 <input checked="" type="checkbox"/> | 2076 |
| DM1110 | Single phase Ammeter CI0.5 | 30002459 <input checked="" type="checkbox"/> | 2076 |
| DM1210 | Single phase Voltmeter CI1.0 | 30002366 <input checked="" type="checkbox"/> | 1541 |
| DM1110 | Single phase Ammeter CI1.0 | 30002365 <input checked="" type="checkbox"/> | 1541 |
| DM1310 | Single phase Frequency CI0.2 | 30002367 <input checked="" type="checkbox"/> | 1541 |

* Conzerv is now EasyLogic™

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025



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



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



Discover How You Can Save Approximately 150kg CO₂ Per kVA With Smart Power Factor Correction

Premium low voltage power factor correction capacitors

With 30% size optimization and 120k lifetime hours, ensure easy installation and easy maintenance. Equip yourself with easy quality assurance with 60% more continuous current-carrying capacity while also **enabling easy savings with our 100% commitment to testing and easy combinations with 30% energy wastage reduction.**

Now, ensure reliability and safety in **Buildings, Industries, Residential buildings, OEMs, and Energy Infrastructures.**



EasyLogic™ PFC+ **New**

se.com/in

Power Factor Correction Products



Capacitor for Heavy Duty application in Easy Range

- **Rated Voltage:** 480 and 525, 50/60Hz
- **Standard compliances:** IEC 60831 part 1 & 2, IS13340 Part 1-2, BIS certification, ASTA certified
- **Green Premium:** Compliant
- **Reliability:** Specially designed di-electric with Soft resin as coolant, the combination provides it extra reliability and extended working hours
- **Size Optimization:** This optimized design and compact size helps to save the panel space while its lower weight contributes to user experience during installation

EasyLogic™ PFC+ Capacitor

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|----------------|--------------|
| EasyLogic™ PFC+ | | | | |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 6.7 | | MEHVCPDY067A48 | 8147 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 11.3 | | MEHVCPDY113A48 | 8271 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 12.5 | | MEHVCPDY125A48 | 8334 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 14.4 | | MEHVCPDY144A48 | 8681 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 15.5 | | MEHVCPDY155A48 | 9342 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 17 | | MEHVCPDY170A48 | 10251 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 22.4 | | MEHVCPDY224A48 | 13504 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 25 | | MEHVCPDY250A48 | 15073 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 28.1 | | MEHVCPDY281A48 | 16844 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 31.5 | | MEHVCPDY315A48 | 18975 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 12.5 | | MEHVCPDY125A52 | 7532 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 15.4 | | MEHVCPDY154A52 | 9278 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 20.6 | | MEHVCPDY206A52 | 12412 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 25 | | MEHVCPDY250A52 | 15001 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 27.5 | | MEHVCPDY275A52 | 16576 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 30.6 | | MEHVCPDY306A52 | 18444 |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 33.1 | | MEHVCPDY331A52 | 19934 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025



VarPlus Box Xtreme

Built to perform in Xtreme conditions

- Designed for 60°C, offers upto 60% more life than products designed at 55°C
- Tested to perform upto 150,000 hrs life in standard operating conditions
- Xtreme inrush withstand of upto 350 x In
- Designed to work in Xtreme environments



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Power Factor Correction Products



VarPlus Can

- **Performance:** High performance and flexibility
- **Offer configuration:** Available in three configurations as FastOn, Clampbite and Stud Offer
- **Product range:** 1-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2 -2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** From LCIE France and ASTA Intertek
- **Temperature class:** Class D (+55°C for VarPlus Can)
- **Reliability:** Self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Safety:** Tamper-proof discharge resistor, IP20 for FastOn and Clampbite offer
- **Robust design:** Al Can for casing, hermetically sealed, resin as coolant - better than gas
- **Enhanced life:** 130K hours with better current handling capacity due to wave cut films with slope metalization

Can (Cylindrical) Type 440V Capacitors

| Description | kVar Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|--|-------------|---------------------------------|---|--------------|
| EasyCan (S Duty) 440V Range | | | | |
| MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz | 2 | 3 | MEHVCS DY020A44 <input checked="" type="checkbox"/> | 1227 |
| MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz | 3 | 3 | MEHVCS DY030A44 <input checked="" type="checkbox"/> | 1843 |
| MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz | 4 | 3 | MEHVCS DY040A44 <input checked="" type="checkbox"/> | 2457 |
| MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz | 5 | 3 | MEHVCS DY050A44 <input checked="" type="checkbox"/> | 2515 |
| MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz | 7.5 | 3 | MEHVCS DY075A44 <input checked="" type="checkbox"/> | 3519 |
| MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVCS DY100A44 <input checked="" type="checkbox"/> | 4112 |
| MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVCS DY150A44 <input checked="" type="checkbox"/> | 6159 |
| MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVCS DY200A44 <input checked="" type="checkbox"/> | 8214 |
| MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVCS DY250A44 <input checked="" type="checkbox"/> | 10270 |
| VarPlus Can (H Duty) 440V Range | | | | |
| MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz | 1 | 3 | MEHVCHDY010A44 <input checked="" type="checkbox"/> | 1098 |
| MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz | 2 | 3 | MEHVCHDY020A44 <input checked="" type="checkbox"/> | 1722 |
| MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz | 3 | 3 | MEHVCHDY030A44 <input checked="" type="checkbox"/> | 2586 |
| MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz | 4 | 3 | MEHVCHDY040A44 <input checked="" type="checkbox"/> | 3444 |
| MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz | 5 | 3 | MEHVCHDY050A44 <input checked="" type="checkbox"/> | 3576 |
| MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz | 7.5 | 3 | MEHVCHDY075A44 <input checked="" type="checkbox"/> | 5242 |
| MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVCHDY100A44 <input checked="" type="checkbox"/> | 6524 |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVCHDY125A44 <input checked="" type="checkbox"/> | 8193 |
| MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVCHDY150A44 <input checked="" type="checkbox"/> | 9782 |
| MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVCHDY200A44 <input checked="" type="checkbox"/> | 13046 |
| MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVCHDY250A44 <input checked="" type="checkbox"/> | 16305 |
| MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVCHDY300A44 <input checked="" type="checkbox"/> | 19658 |
| MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz(Single unit with IP00) | 40 | 1 | MEHVCHDY400A44 <input checked="" type="checkbox"/> | 25535 |
| MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz(Single unit with IP00) | 50 | 1 | MEHVCHDY500A44 <input checked="" type="checkbox"/> | 31771 |
| VarPlus Can (GH Duty) 440V Range | | | | |
| MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz | 5 | 3 | MEHVCGSF050A44 | 3619 |
| MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz | 7.5 | 3 | MEHVCGSF075A44 | 5425 |
| MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz | 10 | 3 | MEHVCGSF100A44 | 6691 |
| MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz | 12.5 | 3 | MEHVCGSF125A44 | 8360 |
| MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz | 15 | 3 | MEHVCGSF150A44 | 10028 |
| MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz | 20 | 3 | MEHVCGSF200A44 | 13360 |
| MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz | 25 | 1 | MEHVCGSF250A44 | 16717 |
| MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz | 50 | 1 | MEHVCGSF500A44 | 32442 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

Power Factor Correction Products



VarPlus Box

- **Performance:** High performance and flexibility
- **Product range:** 5-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2 -2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** From LCIE France and ASTA Intertek
- **Temperature class:** +50°C for VarPlus Box APP, Class D (60°C for VarPlus Xtreme Box, 70°C for MD-XL)
- **Reliability:** Self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Robust design:** Steel enclosure, resin as coolant - better than gas
- **Enhanced life:** 150K hours with better current handling capacity due to wave cut films with slope metalization

Box (Square) Type 440V Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|--|--------------|
| VarPlus Box Xtreme H Duty 440V Range | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 5kVAr 440V 50Hz | 5 | 1 | MEHVBHDY050A44 <input checked="" type="checkbox"/> | 4615 |
| MPP - Xtreme Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz | 7.5 | 1 | MEHVBHDY075A44 | 6916 |
| MPP - Xtreme Heavy Duty Box 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVBHDY100A44 <input checked="" type="checkbox"/> | 7914 |
| MPP - Xtreme Heavy Duty Box 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVBHDY150A44 <input checked="" type="checkbox"/> | 11834 |
| MPP - Xtreme Heavy Duty Box 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVBHDY200A44 <input checked="" type="checkbox"/> | 15850 |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVBHDY250A44 | 19815 |
| VarPlus Box APP 440V Range | | | | |
| APP - Box 3Ph 5kVAr 440V 50Hz | 5 | 1 | MEHVBAPP050A44 | 6403 |
| APP - Box 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVBAPP100A44 | 11236 |
| APP - Box 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVBAPP150A44 | 16860 |
| APP - Box 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVBAPP200A44 | 22479 |
| APP - Box 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVBAPP250A44 | 28101 |
| APP - Box 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVBAPP300A44 | 33780 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAR Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|--|-------------|---------------------------------|--|--------------|
| *Capacitors for 7%/5.7% , 440V Detuned Filter Application | | | | |
| VarPlus Can (H Duty) 480V Range | | | | |
| MPP - Heavy Duty Can 3Ph 5.6kVAr 480V 50Hz | 5.6 | 1 | MEHVCHDY056A48 <input checked="" type="checkbox"/> | 3911 |
| MPP - Heavy Duty Can 3Ph 11.3kVAr 480V 50Hz | 11.3 | 1 | MEHVCHDY113A48 <input checked="" type="checkbox"/> | 7396 |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 480V 50Hz | 12.5 | 1 | MEHVCHDY125A48 | 8184 |
| MPP - Heavy Duty Can 3Ph 14.4kVAr 480V 50Hz | 14.4 | 1 | MEHVCHDY144A48 | 9435 |
| MPP - Heavy Duty Can 3Ph 15.5kVAr 480V 50Hz | 15.5 | 1 | MEHVCHDY155A48 | 10155 |
| MPP - Heavy Duty Can 3Ph 17kVAr 480V 50Hz | 17 | 1 | MEHVCHDY170A48 <input checked="" type="checkbox"/> | 11142 |
| MPP - Heavy Duty Can 3Ph 22.4kVAr 480V 50Hz | 22.4 | 1 | MEHVCHDY224A48 <input checked="" type="checkbox"/> | 14678 |
| MPP - Heavy Duty Can 3Ph 25kVAr 480V 50Hz | 25 | 1 | MEHVCHDY250A48 <input checked="" type="checkbox"/> | 16384 |
| MPP - Heavy Duty Can 3Ph 28.1kVAr 480V 50Hz | 28.1 | 1 | MEHVCHDY281A48 <input checked="" type="checkbox"/> | 18309 |
| MPP - Heavy Duty Can 3Ph 31.5kVAr 480V 50Hz | 31.5 | 1 | MEHVCHDY315A48 <input checked="" type="checkbox"/> | 20624 |
| VarPlus Can (GH Duty) 480V Range | | | | |
| MPP - GasHeavy Duty Can 3Ph 11.3kVAr 480V 50Hz | 11.3 | 1 | MEHVCGSF113A48 <input checked="" type="checkbox"/> | 7553 |
| MPP - GasHeavy Duty Can 3Ph 22.4kVAr 480V 50Hz | 22.4 | 1 | MEHVCGSF224A48 <input checked="" type="checkbox"/> | 14970 |
| MPP - GasHeavy Duty Can 3Ph 25kVAr 480V 50Hz | 25 | 1 | MEHVCGSF250A48 <input checked="" type="checkbox"/> | 16708 |
| MPP - GasHeavy Duty Can 3Ph 28.1kVAr 480V 50Hz | 28.1 | 1 | MEHVCGSF281A48 <input checked="" type="checkbox"/> | 18850 |
| MPP - GasHeavy Duty Can 3Ph 31.5kVAr 480V 50Hz | 31.5 | 1 | MEHVCGSF315A48 <input checked="" type="checkbox"/> | 21131 |
| VarPlus Box Xtreme H Duty 480V Range | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 480V 50Hz | 25 | 1 | MEHVBHDY250A48 <input checked="" type="checkbox"/> | 19643 |
| MPP - Xtreme Heavy Duty Box 3Ph 28.1kVAr 480V 50Hz | 28.1 | 1 | MEHVBHDY281A48 <input checked="" type="checkbox"/> | 22182 |
| MPP - Xtreme Heavy Duty Box 3Ph 31.5kVAr 480V 50Hz | 31.5 | 1 | MEHVBHDY315A48 | 24742 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|--|--------------|
| VarPlus Box APP 480V Range | | | | |
| APP - Box 3Ph 11.3kVAr 480V 50Hz | 11.3 | 1 | MEHVBAPP113A48 <input checked="" type="checkbox"/> | 12719 |
| APP - Box 3Ph 14.4kVAr 480V 50Hz | 14.4 | 1 | MEHVBAPP144A48 | 16208 |
| APP - Box 3Ph 22.4kVAr 480V 50Hz | 22.4 | 1 | MEHVBAPP224A48 <input checked="" type="checkbox"/> | 25243 |
| APP - Box 3Ph 25kVAr 480V 50Hz | 25 | 1 | MEHVBAPP250A48 | 28105 |
| APP - Box 3Ph 28.1kVAr 480V 50Hz | 28.1 | 1 | MEHVBAPP281A48 <input checked="" type="checkbox"/> | 31587 |
| APP - Box 3Ph 31.5kVAr 480V 50Hz | 31.5 | 1 | MEHVBAPP315A48 | 35412 |
| *Capacitors for 7%/ 5.7%/ 14%, 440V Filter Application | | | | |
| VarPlus Can (H Duty) 525V Range | | | | |
| MPP - Heavy Duty Can 3Ph 6.9kVAr 525V 50Hz | 6.9 | 1 | MEHVCHDY069A52 <input checked="" type="checkbox"/> | 4825 |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVCHDY125A52 <input checked="" type="checkbox"/> | 8188 |
| MPP - Heavy Duty Can 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVCHDY138A52 <input checked="" type="checkbox"/> | 9041 |
| MPP - Heavy Duty Can 3Ph 15.4kVAr 525V 50Hz | 15.4 | 1 | MEHVCHDY154A52 <input checked="" type="checkbox"/> | 10085 |
| MPP - Heavy Duty Can 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVCHDY206A52 <input checked="" type="checkbox"/> | 13491 |
| MPP - Heavy Duty Can 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVCHDY250A52 <input checked="" type="checkbox"/> | 16305 |
| MPP - Heavy Duty Can 3Ph 27.5kVAr 525V 50Hz | 27.5 | 1 | MEHVCHDY275A52 | 18019 |
| MPP - Heavy Duty Can 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVCHDY306A52 <input checked="" type="checkbox"/> | 20048 |
| MPP - Heavy Duty Can 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVCHDY331A52 <input checked="" type="checkbox"/> | 21667 |
| MPP - Heavy Duty Can 3Ph 37.7kVAr 525V 50Hz | 37.7 | 1 | MEHVCHDY377A52 <input checked="" type="checkbox"/> | 24675 |
| VarPlus Can (GH Duty) 525V Range | | | | |
| MPP - GasHeavy Duty Can 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVCGSF125A52 | 8382 |
| MPP - GasHeavy Duty Can 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVCGSF250A52 | 16765 |
| MPP - GasHeavy Duty Can 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVCGSF306A52 <input checked="" type="checkbox"/> | 20535 |
| MPP - GasHeavy Duty Can 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVCGSF331A52 | 22215 |
| MPP - GasHeavy Duty Can 3Ph 37.7kVAr 525V 50Hz | 37.7 | 1 | MEHVCGSF377A52 | 25249 |

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NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|--|-------------|---------------------------------|----------------|--------------|
| VarPlus Box Xtreme H Duty 525V Range | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVBHDY250A52 | 19717 |
| MPP - Xtreme Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVBHDY331A52 | 26223 |
| VarPlus Box APP 525V Range | | | | |
| APP - Box 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVBAPP138A52 | 15506 |
| APP - Box 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVBAPP206A52 | 23159 |
| APP - Box 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVBAPP250A52 | 28109 |
| APP - Box 3Ph 27.5kVAr 525V 50H | 27.5 | 1 | MEHVBAPP275A52 | 30918 |
| APP - Box 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVBAPP306A52 | 34418 |
| APP - Box 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVBAPP331A52 | 37210 |
| APP - Box 3Ph 37.7kVAr 525V 50Hz | 37.7 | 1 | MEHVBAPP377A52 | 42402 |

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NORMAL STOCK ITEMS

W.E.F. July 15th, 2025



VarPlus MAX Detuned Reactors

MAXimize Efficiency
MAXimize Savings



PFC - Detuned Reactors



VarPlus Max Detuned Reactor

- **Performance:** Designed to operate at a stringent harmonic spectrum as per IEEE 519
- **Offer configuration:** 6.5 - 100 kvar, 440V
- **Product range:** Single footprint from 6.5 - 100 kvar
- **Product compliance:** Compliant to IEC 60076-6
- **Type tested:** Certified by CPRI
- **Temperature class:** Class H for insulation $\leq 180^{\circ}\text{C}$
- **Reliability:** Conductor design, designed as per maximum permissible current (I_{mp})
- **Safety:** Built-in thermal protection

Detuned Reactor 440V Range

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|---|--------------|
| VarPlus MAX Detuned Reactor 5.7%, 440V Range | | | | |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 5.7 % 50Hz | 25 | 1 | LVR05250A44LO | 37988 |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 5.7 % 50Hz | 50 | 1 | LVR05500A44LO | 56838 |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 5.7 % 50Hz | 100 | 1 | LVR05X00A44LO | 113636 |
| VarPlus MAX Detuned Reactor 7%, 440V Range | | | | |
| VarPlus MAX AL Detuned reactor 5 kVAr 440V 7% 50Hz | 5 | 1 | LVR07050A44LO <input checked="" type="checkbox"/> | 16513 |
| VarPlus MAX AL Detuned reactor 10 kVAr 440V 7% 50Hz | 10 | 1 | LVR07100A44LO <input checked="" type="checkbox"/> | 23864 |
| VarPlus MAX AL Detuned reactor 12.5 kVAr 440V 7% 50Hz | 12.5 | 1 | LVR07125A44LO <input checked="" type="checkbox"/> | 27290 |
| VarPlus MAX AL Detuned reactor 15 kVAr 440V 7% 50Hz | 15 | 1 | LVR07150A44LO <input checked="" type="checkbox"/> | 28936 |
| VarPlus MAX AL Detuned reactor 20 kVAr 440V 7% 50Hz | 20 | 1 | LVR07200A44LO <input checked="" type="checkbox"/> | 30715 |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 7% 50Hz | 25 | 1 | LVR07250A44LO <input checked="" type="checkbox"/> | 30725 |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 7% 50Hz | 50 | 1 | LVR07500A44LO <input checked="" type="checkbox"/> | 47448 |
| VarPlus MAX AL Detuned reactor 75 kVAr 440V 7% 50Hz | 75 | 1 | LVR07750A44LO <input checked="" type="checkbox"/> | 74005 |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 7% 50Hz | 100 | 1 | LVR07X00A44LO <input checked="" type="checkbox"/> | 95858 |
| VarPlus MAX Detuned Reactor 14%, 440V Range | | | | |
| VarPlus MAX AL Detuned reactor 10 kVAr 440V 14 % 50Hz | 10 | 1 | LVR14100A44LO | 25639 |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 14 % 50Hz | 25 | 1 | LVR14250A44LO <input checked="" type="checkbox"/> | 46985 |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 14 % 50Hz | 50 | 1 | LVR14500A44LO <input checked="" type="checkbox"/> | 78369 |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 14 % 50Hz | 100 | 1 | LVR14X00A44LO | 162065 |

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. July 15th, 2025



Introducing VarPlus MAX Copper Wound Reactors



Copper Wound Detuned Reactor



VarPlus Max Copper Detuned Reactors

- **MAXimize your selection**
 - Wide range available in Copper windings.
- **MAXimize your OPEX optimization**
 - Up to 30% lower losses to reduce your OPEX
- **MAXimize your thermal efficiency**
 - Up to 20% lower working temperatures
- **MAXimize your operational efficiency**
 - Design current up to 1.3 x Rated Current
 - Saturation current limit up to 2.0 x Rated Current
 - Designed for Harsh environments (Maximum voltage harmonic limit up to 9%)

Copper Wound Detuned Reactor 440V Range

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|---------------|--------------|
| Varplus Copper Detuned Reactor 7%, 440V Range | | | | |
| Detuned Reactor CU 5kVAr 440V 7% 50Hz | 5 | 1 | LVR07050A44CU | 20115 |
| Detuned Reactor CU 10kVAr 440V 7% 50Hz | 10 | 1 | LVR07100A44CU | 32864 |
| Detuned Reactor CU 12.5kVAr 440V 7% 50Hz | 12.5 | 1 | LVR07125A44CU | 34949 |
| Detuned Reactor CU 15kVAr 440V 7% 50Hz | 15 | 1 | LVR07150A44CU | 39846 |
| Detuned Reactor CU 20kVAr 440V 7% 50Hz | 20 | 1 | LVR07200A44CU | 42296 |
| Detuned Reactor CU 25kVAr 440V 7% 50Hz | 25 | 1 | LVR07250A44CU | 48760 |
| Detuned Reactor CU 50kVAr 440V 7% 50Hz | 50 | 1 | LVR07500A44CU | 82929 |
| Detuned Reactor CU 100kVAr 440V 7% 50Hz | 100 | 1 | LVR07X00A44CU | 152305 |
| Varplus Copper Detuned Reactor 14%, 440V Range | | | | |
| Detuned Reactor CU 10kVAr 440V 14% 50Hz | 10 | 1 | LVR14100A44CU | 40146 |
| Detuned Reactor CU 25kVAr 440V 14% 50Hz | 25 | 1 | LVR14250A44CU | 78096 |
| Detuned Reactor CU 50kVAr 440V 14% 50Hz | 50 | 1 | LVR14500A44CU | 130264 |

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NORMAL STOCK ITEMS

W.E.F. July 15th, 2025

VarPlus Logic APFC relay



- Automatic Initialization & sequence detection
- Measurement of Step kVAr & THDv up to 19th
- RS485 port as default feature
- 4 Quadrant measurement
- Dual Cos phi settings for two source operation

Power Factor Correction Products



APFC Relays

| Description | No. of Step | Minimum Ordering Quantity (No.) | Reference | Unit MRP [₹] |
|---|-------------|---------------------------------|--|--------------|
| Varlogic APFC Relays - Classic Range | | | | |
| RT6, 6 step, 440V, 5A | 6 | 1 | 51207 | 24003 |
| RT8, 8 step, 440V, 5A | 8 | 1 | 51209 | 31112 |
| RT12, 12 step, 440V, 5A | 12 | 1 | 51213 | 36095 |
| VarPlus Logic APFC Relays - Advanced Range | | | | |
| VPL06, 6 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485 | 6 | 1 | VPL06N <input checked="" type="checkbox"/> | 53471 |
| VPL12, 12 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485 | 12 | 1 | VPL12N <input checked="" type="checkbox"/> | 57736 |

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NORMAL STOCK ITEMS

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