

HEXA SERIES LOAD MANAGERS, POWER & ENERGY, DUAL SOURCE MULTI-FUNCTION METERS

## Hexa Series of EM64xxH and PM1130H meters

PM1130H Dual Source Multi-Function Meters

EM6436H Load Managers

EM6438H Dual Source Energy Meters

EM6433H Energy Meters

EM6459H VAF PF Meters



Technical Datasheet

Functions and characteristics



EM6436H Load Manager

Introducing Hexa series EM64xxH meters that are 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. The dual source meters are for the measurement of power and energy from the alternate source system.

Hexa Series of PM1130H Dual Source Multifunction meters are enabled with two (02) energy registers (Utility vs Genset/ Solar/ Wind or combination of any two power sources) separately records consumption for dual source energy accounting. Form A relay to control the load in the event of abnormality in the electrical circuit including excess consumption of power. The meters can be used for secondary billing application in large commercial complexes or buildings as tenant meters in custom panels, switch boards, Gen-set panels, non-renewable energy panel and OEM panel board.

Applications

1. Cost management

- Energy accounting and balancing
- Electrical installation remote monitoring
- Tenant and sub billing
- Panel instrumentation
- Energy management

2. Network Management

- Measurement of power factor
- % unbalance for voltage and current
- Phase angle between the respective voltage and current phase
- Integration with energy management system

| Model Details          | Commercial reference |
|------------------------|----------------------|
| PM1130H RS CL 0.5      | METSEPM1130HCL05RD   |
| EM6436H RS CL 0.5      | METSEEM6436HCL05RS   |
| EM6436H RS CL 1.0      | METSEEM6436HCL10RS   |
| EM6436H NON-COM 1.0    | METSEEM6436HCL10NC   |
| EM6433H RS CL 0.5      | METSEEM6433HCL05RS   |
| EM6438H RS CL 0.5      | METSEEM6438HCL05RS   |
| EM6438H RS CL 1.0      | METSEEM6438HCL10RS   |
| EM6433H RS CL 1.0      | METSEEM6433HCL10RS   |
| EM6459H RS CL 0.5      | METSEEM6459HCL05RS   |
| EM6459H RS CL 1.0      | METSEEM6459HCL10RS   |
| EM6459H NON-COM CL 1.0 | METSEEM6459HCL10NC   |



PM1130H Dual Source MFM

Main characteristics:

- **Easy to install:** Mounts using two retainer clips, no tools required. Compact meter with 49 mm depth behind the panel, connectable up to 480 ±10% AC Volts L-L without voltage transformers for installations compliant with measurement category III, and double insulated.
- **Easy to operate:** Intuitive navigation with self guided menus and test LED at the front panel used for test and calibration of the meter at site or laboratory. Heart beat LED indicates normal functioning of the meters while it conveys the communication status when connected to RS485 network.
- **LED display:** Intuitive navigation with self-guided, 4 buttons, 8 segment alpha-numeric LEDs of height ~14.2 mm (0.55 in), and three lines of concurrent values with Kilo and Mega value indicator.
- **Power and energy:** measurement, display and recording of any one power and energy at a time (W/ Wh or VA/ VAh or VAR/ VARh – selectable through panel button or configuration software). +1
- **Demand:** measure Peak demand with occurrence time in counter, time remaining to complete demand cycle, present cycle and last cycle demand values. One demand parameter selectable - either W, VA or VAR, with the option of changing demand interval and demand technique. +2
- **Standard compliance:**
  - Class 1.0 for active energy as per the test limits given in IEC 62053-21
  - Class 0.5 for active energy as per the test limits given in IEC 62053-22
  - Class 2.0 for reactive energy as per the test limits given in IEC 62053-23
  - Tested in accordance with IEC 62052-11 for energy test requirements
  - EMI/EMC test as per IEC 61326-1
- **CT nominal:** 5 A or 1 A I-nominal (field settable). CT reversal auto correction for energy consumption.
- **Time counter:** Meter ON hours and Load RUN hours advises maintenance requirements.
- **Password:** Field configurable password for securing set up information and prevents tampering of integrated energy values.
- **Non-resettable energy counter:** To ensure integrity of energy readings in dual source meter EM6438H & PM1130H.
- **Protective cover:** Terminals screws does not detach from housing and touch proof against fingers.
- **Cyber security:** Option for disabling RS485 port through front panel keys against unauthorized access. This feature can also be used for maintenance and troubleshooting of complex communication network.
- **Display:** 5+3 digits for energy, and 4 digits for other parameters with auto scale and auto range features.
- **Analog load bar:** Multi colour-coded analogue load bar with over load indication at the front side indicates the percentage of load through 12 LEDs with the option to select full scale based on connected load.
- **Suppression current:** To disregard the measurement of induced/panel auxiliary load current in the circuit (settable from 5 to 99 mA).
- **Favourite page:** User selectable parameters in favourite page.
- **Relay:** Form A, 2 terminals mechanical relay for alarm, control or annunciation if parameters exceeds or recedes set limit. Also activated on decremental energy from the preset energy value. +2
- **Alternate/dual source power sensor:** supports multiple generator paralleling & bus coupler islanding schemes. EM6438H & PM1130H.
- **Tamper cover:** protects against tampering with voltage and current terminals.



PM1130H Dual Source MFM rear view

+1 : In EM6438H & PM1130H meter, one power and one energy from source 1 & source 2  
 +2 : Available in PM1130H

## Hexa Series EM64xxH and PM1130H technical specifications.

| General                                                                                                                                                                              |                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use on LV & MV systems with Potential transformer (PT or VT)/ Current transformer (CT) ratio programmable at site                                                                    |                                                                                                                                                                         |
| Digital panel meters for measurement of basic electrical parameters                                                                                                                  |                                                                                                                                                                         |
| Instantaneous rms values                                                                                                                                                             |                                                                                                                                                                         |
| Current                                                                                                                                                                              | Average line current of 3-phase, per-phase, and calculated neutral current                                                                                              |
| Voltage                                                                                                                                                                              | Average voltage of L-L, L-N parameters, per-phase                                                                                                                       |
| Frequency                                                                                                                                                                            | Any available line                                                                                                                                                      |
| Real (active), reactive, and apparent power                                                                                                                                          | Total and per-phase                                                                                                                                                     |
| True power factor                                                                                                                                                                    | Average and per-phase signed                                                                                                                                            |
| % Unbalance                                                                                                                                                                          | Maximum % unbalance among phases for Volts & Amps                                                                                                                       |
| Revolution per minute (RPM)                                                                                                                                                          | RPM of alternator or generator when number of poles set for 2, 4, 6, 8, 12, 14 or 16 (any one pole)                                                                     |
| Energy values stored in non-volatile memory                                                                                                                                          |                                                                                                                                                                         |
| Delivered or forward or import energy from the grid - Accumulated or integrated active (Real - Wh), reactive (VARh) and apparent energy (VAh).                                       |                                                                                                                                                                         |
| Energy delivered from power source no.1: Accumulated active (Real - Wh) or reactive (VARh) or apparent (VAh) energy with user programmable alphanumeric name <sup>+3</sup>           |                                                                                                                                                                         |
| Energy delivered from power source no.2: Accumulated active (Real - Wh) or reactive (VARh) or apparent (VAh) energy with user programmable alphanumeric name <sup>+3</sup>           |                                                                                                                                                                         |
| Time counters such as meter ON Hrs, load RUN Hrs for both source of power and power outage counters                                                                                  |                                                                                                                                                                         |
| Old registers facilitate retrieval of last cleared energy values and load Run Hrs                                                                                                    |                                                                                                                                                                         |
| Display                                                                                                                                                                              |                                                                                                                                                                         |
| Bright red colour LED display, 8 segment alpha-numeric LED, ~ 14.2 mm (0.55 in) height, 3 rows with 4 digits per row, auto range, auto scale                                         |                                                                                                                                                                         |
| Communication                                                                                                                                                                        |                                                                                                                                                                         |
| RS-485 serial                                                                                                                                                                        | Channel connection Industry standard Modbus RTU protocol, Integration with any Modbus compatible SCADA/ DCS/ PMS/ EMS/ BAS/ BMS software                                |
| Native Plug and Play support                                                                                                                                                         | Schneider Electric energy management system software - StruxureWare Power Monitoring Expert, StruxureWare PowerSCADA Operation along with ION Setup programming support |
| Alternate or dual source sensor                                                                                                                                                      | For sensing the presence of alternate power source to measure and record energy in separate registers                                                                   |
| Diagnostics                                                                                                                                                                          |                                                                                                                                                                         |
| Diagnostic page indicates the healthiness of communication system, all LED test, device serial number, device model number OS & RS version, communication status, error code display |                                                                                                                                                                         |
| Page lock                                                                                                                                                                            |                                                                                                                                                                         |
| Page lock and unlock features. Once the commonly referred page is enabled for lock feature, then the display returns to locked page in 4 minutes of inactive time                    |                                                                                                                                                                         |
| Favourite page                                                                                                                                                                       |                                                                                                                                                                         |
| Number and type of parameters can be chosen and arranged in Favourite page according to the user's requirement                                                                       |                                                                                                                                                                         |
| Relay <sup>+4</sup>                                                                                                                                                                  |                                                                                                                                                                         |
| Relay can be operated based on the set limits assigned for V L-L, V L-N, Amps, Hz, PF, Instantaneous power (W, VA, VAR), demand parameter (W, VA, VAR)                               |                                                                                                                                                                         |
| Relay can also be programmed to activate based on decremental energy consumed in the system from the preset energy value.                                                            |                                                                                                                                                                         |
| Electrical characteristics                                                                                                                                                           |                                                                                                                                                                         |
| Type of measurement                                                                                                                                                                  | True RMS, 4 quadrant power and 2 quadrant energy, 32 samples/ cycle                                                                                                     |
| Measurement accuracy                                                                                                                                                                 |                                                                                                                                                                         |
| Current, per-phase & average                                                                                                                                                         | ± 0.5 % of reading                                                                                                                                                      |
| Voltage, L-N, L-L, per-phase & average                                                                                                                                               | ± 0.5 % of reading                                                                                                                                                      |
| Power (active and apparent)                                                                                                                                                          | ± 1.0% for Class 1.0, ± 0.5% for Class 0.5                                                                                                                              |
| Power (reactive)                                                                                                                                                                     | ± 2.0 %                                                                                                                                                                 |
| Power factor, per-phase & average                                                                                                                                                    | ± 0.01 of reading                                                                                                                                                       |
| Frequency                                                                                                                                                                            | ± 0.05 % for F-nominal 50/ 60 Hz ± 2<br>± 0.2 % for Frequency range from 30 to 48 Hz, 52 to 58 Hz and 62 to 70 Hz                                                       |
| Active or real energy                                                                                                                                                                | ± 1.0% for Class 1.0, ± 0.5% for Class 0.5                                                                                                                              |
| Apparent energy                                                                                                                                                                      | ± 1.0% for Class 1.0, ± 0.5% for Class 0.5                                                                                                                              |
| Reactive energy                                                                                                                                                                      | Class 2.0 (± 2.0 %)                                                                                                                                                     |
| THD %                                                                                                                                                                                | ± 5 % of full scale                                                                                                                                                     |
| Input-voltage                                                                                                                                                                        |                                                                                                                                                                         |
| VT (PT) connection                                                                                                                                                                   | Selectable from No VT (direct), 1 VT, 2 VT to 3 VT                                                                                                                      |
| VT (PT) primary                                                                                                                                                                      | 100 V L-L to 999 kV L-L max                                                                                                                                             |
| U (V) nominal (secondary)                                                                                                                                                            | Up to 277 V L-N/ 480 V L-L (selectable VT secondary from 100, 110, 115, 120 to 415 V L-L)                                                                               |
| Operating voltage range with accuracy                                                                                                                                                | 80-480 V L-L ± 10 % Category III                                                                                                                                        |
| Measured Voltage with full range                                                                                                                                                     | 35 to 600 V L-L                                                                                                                                                         |
| Permanent overload (withstand)                                                                                                                                                       | 750 V L-L, continuous                                                                                                                                                   |
| Impedance                                                                                                                                                                            | ≥ 5 MΩ                                                                                                                                                                  |
| Frequency range                                                                                                                                                                      | 50/ 60 Hz ± 2                                                                                                                                                           |
| VA burden                                                                                                                                                                            | ≤ 0.2 VA at 240 V L-N at 50 Hz                                                                                                                                          |

<sup>+3</sup> : Applicable for EM6438H & PM1130H<sup>+4</sup> : Applicable for PM1130H

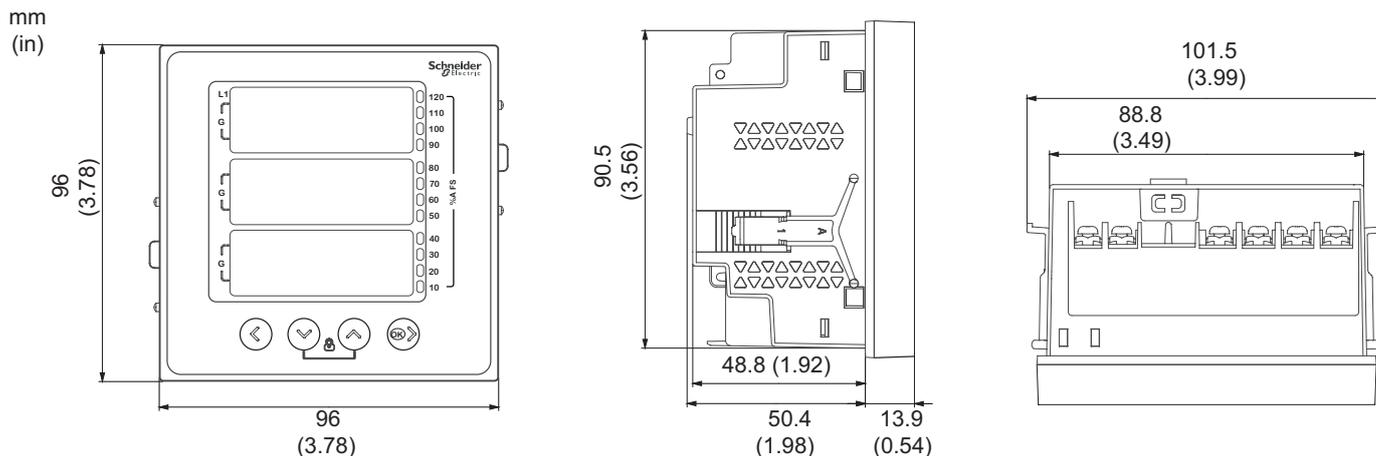
|                                                                        |                                                                                                                    |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Frequency – measurement</b>                                         |                                                                                                                    |
| Nominal operating range                                                | 50/60 Hz $\pm$ 2 ( $\pm$ 0.05 % accuracy)                                                                          |
| Extended operating range                                               | 30 to 48 Hz, 52 to 58 Hz and 62 to 70 Hz                                                                           |
| Voltage input                                                          | 80 to 480 V L-L $\pm$ 10 %                                                                                         |
| <b>Input-current</b>                                                   |                                                                                                                    |
| CT connect                                                             | Solo or multi-phase current measurement by installing CT (s) in either of A1, A2, A3, A12, A23, A13, A123 phase(s) |
| CT primary                                                             | 1 A to 32767 Amps, programmable                                                                                    |
| CT secondary                                                           | 1 A or 5 Amps I-nominal (field settable)                                                                           |
| Operating current range with accuracy                                  | 10 mA to 6 Amps <sup>+5</sup>                                                                                      |
| Measured Amps with full range                                          | 5 mA to 10 Amps                                                                                                    |
| Suppression current                                                    | 5 to 99 mA (to disregard negligible load)                                                                          |
| Permanent overload (withstand)                                         | Continuous 10 A, 10s/hr 50 A, 1s/hr 500 A                                                                          |
| Impedance                                                              | 0.3 m $\Omega$                                                                                                     |
| Frequency range                                                        | 50/ 60 Hz $\pm$ 2                                                                                                  |
| VA burden                                                              | $\leq$ 0.1 VA at 5A, 50 Hz                                                                                         |
| <b>AC - control power</b>                                              |                                                                                                                    |
| Operating range                                                        | EM64xxH: 48 to 277 V L-N AC $\pm$ 10%, PM1130H: 60 to 277 V L-N AC $\pm$ 10 %                                      |
| Burden                                                                 | EM64xxH: $\leq$ 4 VA at 240 V L-N, at 50 Hz, PM1130H: $\leq$ 6 VA at 240 V L-N, 50 Hz                              |
| Frequency                                                              | 50/ 60 Hz nominal (45 to 65 Hz operating range)                                                                    |
| Ride-through time                                                      | EM64xxH: 200 milli seconds at 240 V L-N, 50Hz, PM1130H: 120 milli seconds at 240 V L-N, 50Hz                       |
| <b>DC - control power</b>                                              |                                                                                                                    |
| Operating range                                                        | EM64xxH: 48 to 277 V DC $\pm$ 10%, PM1130H: 60 to 277 DC $\pm$ 10 %                                                |
| Burden                                                                 | EM64xxH: $<$ 2 W at 240 V DC, PM1130H: $<$ 3 W at 240 V DC                                                         |
| Ride-through time                                                      | 120 ms at 240 V DC                                                                                                 |
| <b>Alternate or dual source sensor - in EM6438H &amp; PM1130H</b>      |                                                                                                                    |
| Input voltage range                                                    | DC 18 to 60 V DC $\pm$ 10%                                                                                         |
| Input voltage range                                                    | AC 80 to 277 V AC $\pm$ 10%                                                                                        |
| Burden                                                                 | $<$ 2 W at 24 V DC, $<$ 4 VA at 240 V L-N at 50 Hz                                                                 |
| <b>Display update</b>                                                  |                                                                                                                    |
| Instantaneous/ RMS parameters                                          | 1 s                                                                                                                |
| Demand parameters in PM1130H                                           | 5 s                                                                                                                |
| THD % (Voltage & Current) in PM1130H                                   | 5 s                                                                                                                |
| <b>Power system</b>                                                    |                                                                                                                    |
| Phase labelling                                                        | Configurable to 123, ABC, rst, pqr or ryb                                                                          |
| Energy source labelling – one letter programmable in EM6438H & PM1130H | alpha-numeric, A to Y (except X), or 0 to 9                                                                        |
| Wiring configuration                                                   | 13 wiring schemes (5 on front screen)                                                                              |
|                                                                        | 1ph, 2 w, LN                                                                                                       |
|                                                                        | 1ph, 2 w, LL                                                                                                       |
|                                                                        | 1ph, 3 w, LL with N (2-phase)                                                                                      |
|                                                                        | 3ph, 3 w, Delta, Ungrounded                                                                                        |
|                                                                        | 3ph, 3 w, Delta, Corner Grounded <sup>+6</sup>                                                                     |
|                                                                        | 3ph, 3 w, Wye, Ungrounded <sup>+6</sup>                                                                            |
|                                                                        | 3ph, 3 w, Wye Grounded <sup>+6</sup>                                                                               |
|                                                                        | 3ph, 3 w, Wye, Resistance Grounded <sup>+6</sup>                                                                   |
|                                                                        | 3ph, 4 w, Open Delta, Center-Tapped <sup>+6</sup>                                                                  |
|                                                                        | 3ph, 4 w, Delta, Center-Tapped <sup>+6</sup>                                                                       |
|                                                                        | 3ph, 4 w, Wye, Ungrounded <sup>+6</sup>                                                                            |
|                                                                        | 3ph, 4 w, Wye Grounded                                                                                             |
| 3ph, 4 w, Wye, Resistance Grounded <sup>+6</sup>                       |                                                                                                                    |
| <b>Mechanical characteristics</b>                                      |                                                                                                                    |
| Weight                                                                 | $\sim$ 300 g (10.6 oz)                                                                                             |
| IP degree of protection                                                | IP 51 front side, IP 54 with gasket (optional accessory), IP 30-meter body, tested as per IEC 60529                |
| Material                                                               | Polycarbonate meets UL 94V-0 flammability rating                                                                   |
| Dimensions W x H x D                                                   | EM64xxH : 96 x 96 x 49 mm (3.78 x 3.78 x 1.93 in) maximum (depth of the meter from the housing mounting flange)    |
|                                                                        | 13 mm (0.51 in) (protrusion of meter from housing flange)                                                          |
|                                                                        | PM1130H : 96 x 96 x 52 mm (3.78 x 3.78 x 2.05 in) (D = depth of the meter from housing mounting flange)            |
| 13 mm (0.51 in) protrusion of meter from housing flange                |                                                                                                                    |
| Mounting position                                                      | vertical                                                                                                           |
| Panel thickness                                                        | 5 mm (0.196 in) maximum                                                                                            |
| <b>Environmental characteristics</b>                                   |                                                                                                                    |
| Operating temperature                                                  | - 10 to +60 $^{\circ}$ C (+14.... +140 $^{\circ}$ F)                                                               |
| Storage temperature                                                    | - 20 to +70 $^{\circ}$ C (-4.... +158 $^{\circ}$ F)                                                                |
| Humidity rating                                                        | 5 to 95 % RH non-condensing                                                                                        |
| Pollution degree                                                       | 2                                                                                                                  |
| Altitude                                                               | $\leq$ 2000 meters (6561 ft), Category III                                                                         |
| Product life                                                           | $>$ 7 years                                                                                                        |
| Insulation category                                                    | Double insulation for user accessible parts                                                                        |

<sup>+5</sup> : Additional error of  $\pm$ 2 % between 10 mA to 50 mA,  $\pm$ 1 % between 50 mA to 100 mA

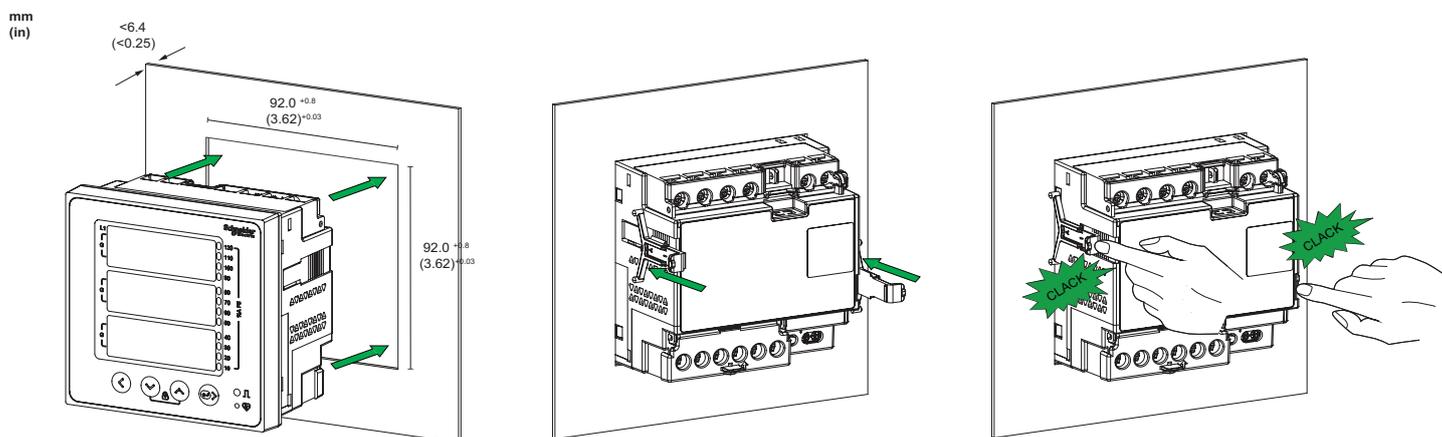
<sup>+6</sup> : Through Communication



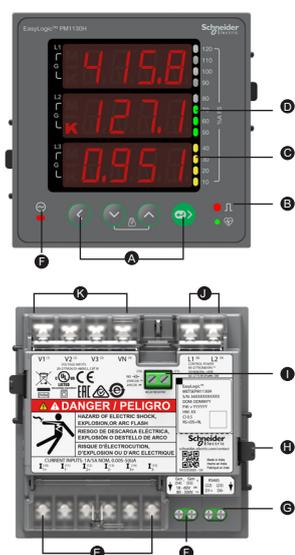
PM1130H dual source meter - dimensions



EM64xxH & PM1130H series meters - mounting



PM1130H & EM64xxH series meters - display overview



- A** Menu selection buttons
  - ◀ Left key: To navigate left
  - ▼ Down key: To navigate down
  - ▲ Up key: To navigate up
  - ➡ Right/OK key: To navigate right/Enter key
- B** LED indicators
  - Red: Pulse LED
  - Green: Heartbeat LED
- C** Alpha numeric LED display
- D** Analog load bar
- E** Current inputs
- F** Alternate/dual source indicator (EM6438H and PM1130H)
- G** RS485
- H** Retainer clip
- I** Relay (PM1130H only)
- J** Control power
- K** Voltage inputs

## Feature set summary

| Parameter                                                                                                                                        | EM6459H                       | EM6433H            | EM6436H             | EM6438H                                            | PM1130H                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|---------------------|----------------------------------------------------|----------------------------------------------------|
| Accuracy Class for Wh                                                                                                                            | -                             | 1.0                | 1.0                 | 1.0                                                | -                                                  |
|                                                                                                                                                  | -                             | 0.5                | 0.5                 | 0.5                                                | 0.5                                                |
| Accuracy of VAh                                                                                                                                  | -                             | ± 1.0%             | ± 1.0%              | ± 1.0%                                             | -                                                  |
|                                                                                                                                                  | -                             | ± 0.5%             | ± 0.5%              | -                                                  | ± 0.5%                                             |
| Accuracy Class for VARh                                                                                                                          | -                             | 2.0                | 2.0                 | 2.0                                                | 2.0                                                |
| Sampling rate per cycle                                                                                                                          | 32                            | 32                 | 32                  | 32                                                 | 32                                                 |
| Amps: average and per-phase, and calculated neutral current                                                                                      | ■                             | ■                  | ■                   | -                                                  | ■                                                  |
| Voltage: V L-N, V L-L, average and per-phase                                                                                                     | ■                             | -                  | ■                   | -                                                  | ■                                                  |
| Power factor: average and per-phase                                                                                                              | ■                             | -                  | ■                   | ■                                                  | ■                                                  |
| Frequency (any available phase)                                                                                                                  | ■                             | -                  | ■                   | -                                                  | ■                                                  |
| Revolutions per minute (RPM)                                                                                                                     | ■                             | -                  | -                   | ■                                                  | ■                                                  |
| Phase angle : Amp Deg (V to Amps, per-phase)                                                                                                     | ■                             | -                  | ■                   | ■                                                  | ■                                                  |
| Power: W, VA, VAR, average and per-phase Measurement and display of any one power parameter at a time, configurable through set-up/communication | -                             | ■                  | ■                   | ■                                                  | ■                                                  |
| % Unbalance: Maximum of 3-ph V and Amps                                                                                                          | ■                             | Amps               | ■                   | -                                                  | ■                                                  |
| Energy +3 - delivered or forward or import energy: Wh, VAh, VARh One energy measurement at a time                                                | -                             | ■                  | ■                   | ■<br>(plus alternate source energy) +8             | ■<br>(plus alternate source energy) +8             |
| Life time counter - meter ON Hrs, load Run Hrs and number of power interruptions                                                                 | ON Hrs<br>Power interruptions | ■                  | ■                   | ■<br>(plus alternate source Run Hrs) +8            | ■<br>(plus alternate source energy) +8             |
| Old registers - retrieval of last cleared values of energy and Run Hrs                                                                           | -                             | ■                  | ■                   | ■<br>(plus alternate source energy and Run Hrs) +8 | ■<br>(plus alternate source energy and Run Hrs) +8 |
| Communication: RS485, Modbus RTU protocol                                                                                                        | ■<br>(selected ref)           | ■                  | ■<br>(selected ref) | ■                                                  | ■                                                  |
| Demand Parameters - W, VA, VAR - One parameter at a time selectable                                                                              | -                             | -                  | -                   | -                                                  | ■                                                  |
| Configurable favorite Page                                                                                                                       | -                             | -                  | ■                   | -                                                  | ■                                                  |
| Relay Form A, 2 Terminals                                                                                                                        | -                             | -                  | -                   | -                                                  | ■                                                  |
| THD% for Voltage & Current                                                                                                                       | -                             | -                  | -                   | -                                                  | ■                                                  |
| Suppression Current (5 to 99 mA)                                                                                                                 | ■                             | ■                  | ■                   | ■                                                  | ■                                                  |
| Ordering ref:                                                                                                                                    |                               |                    |                     |                                                    |                                                    |
| ■ Class 1.0 non-com                                                                                                                              | METSEEM6459HCL10NC            | -                  | METSEEM6436HCL10NC  | -                                                  | -                                                  |
| ■ Class 1.0 RS-485                                                                                                                               | METSEEM6459HCL10RS            | METSEEM6433HCL10RS | METSEEM6436HCL10RS  | METSEEM6438HCL10RS                                 | -                                                  |
| ■ Class 0.5 RS-485                                                                                                                               | METSEEM6459HCL05RS            | METSEEM6433HCL05RS | METSEEM6436HCL05RS  | METSEEM6438HCL05RS                                 | METSEPM1130HCL05RD                                 |

- : Not Available

■ : Available

+8 : This feature is applicable for dual source energy.

Life Is On

**Schneider**  
Electric

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