# HDPM6000S24
# Technical Data Sheet

## CT strips with waveform capture and THD

The HDPM6000S24 integrated branch circuit power meter is available in 24-circuit strip modules. It provides utility grade waveform capture, Total Harmonic Distortion (THD), amps, volts, power factor, kW and kWh data, monitors the ambient temperature and humidity via add-on sensor and can support up to eight strip modules (192 circuits) powered by a single PowerLogic™ HDPM6000 head unit. The HDPM6000 head unit outputs data directly via Ethernet and the power metrics can integrate with any BMS or DCIM system via Modbus TCP/IP, SNMP or BACnet.

The HDPM6000 head unit is the base for the entire suite of modular devices that include the HDPM6000R, HDPM6000S24 and HDPM6000B. Each module can be used to provide utility grade data down to the branch circuit on busway systems, panelboards, RPPs, PDUs, switchgear and distribution panels. The platform simplifies installation, integration and operation of power monitoring deployments by extending a common chipset, user interface, firmware and software driver across all of the modular devices.

## Applications

Ideal for large building applications such as data centers, industrial facilities, infrastructure and other similar environments.

## Market solutions

Markets that benefit from a solution with HDPM6000S include:

- Data centers
- Industrial facilities
- Healthcare facilities
- Manufacturing

## Benefits

- Modular platform approach provides scalability and minimizes integration costs, start up time and operational expenses.
- Provides power quality metrics down to the branch circuit allowing users to effectively monitor circuit loads, manage power consumption, allocate energy costs and maximize uptime across their facilities.
- Makes energy and power quality data immediately actionable and relevant to operational and sustainability goals

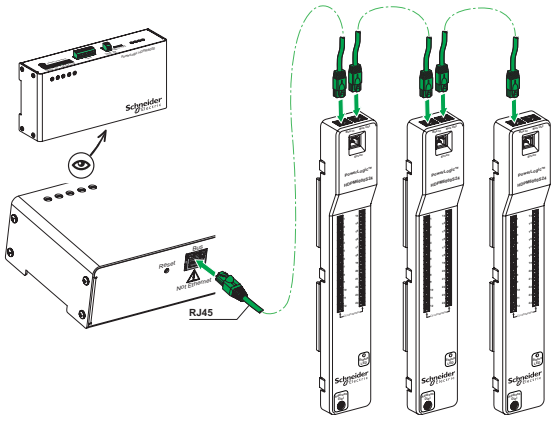
## Competitive advantages

- Asset management
  - Identify increased harmonics in the rack servers to detect a potential disruption
  - Total Harmonics Distortion
  - Waveform capture
- Display and web page visualization
  - Optional touchscreen display accesses meter data
  - User-friendly web interface allows configuration of branch circuits and commissioning of meter system
- Data logging and software monitoring
  - Data logging and on-board memory storage
  - EcoStruxure™ PME and Power Operation integration

## Power management solutions

Schneider Electric provides innovative power management solutions to increase your energy efficiency and cost savings. Maximize electrical network reliability and availability, and optimize electrical asset performance.

# HDPM6000S24




## Measurements

- Current per branch and sum of all phases
- Energy (kWh) per branch and sum of all phases
- Real Power (kW) per branch and sum of all phases
- Apparent Power (kVA) per branch and sum of all phases
- Reactive Power (kVAR) per branch and sum of all phases
- Real Power (kW) demand per circuit
- Current waveform capture (optional)
- Total Harmonic Distortion (THD)
- Power factor (sign indicates leading or lagging current), per branch and average of all phases for multi-phase circuits

## Features guide

| | |
|---|---|
| Power quality analytics | Waveform capture and voltage and current THD |
| Web interface | For configuration and live data access |
| Supported protocols | Modbus TCP/IP, SNMP, BACnet |
| Data storage | Min. 8 GB SD card to store log data and waveform captures provided |
| Alarms | On-board user-configurable alarms and alerts |

## Technical specifications

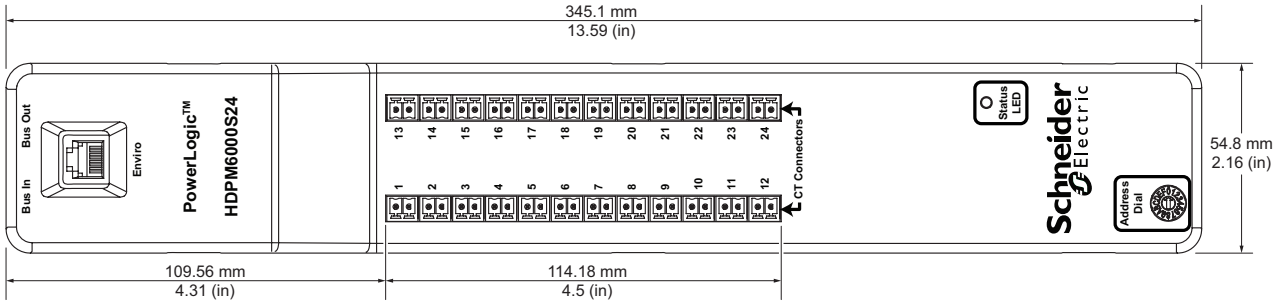
| Electrical Characteristics | |
|---|---|
| Supply voltage | 24 VDC supplied from the HDPM6000 via bus port CAT6 cable |
| CT support | UL 2808, 20-4000 A with internal burdened resister and 250 mV signal (no shorting blocks required) |

| Environmental Characteristics | |
|---|---|
| Operating temperature | -20 to 60 °C (-68 to 140 °F) |
| Storage temperature | -40 to 85 °C (-40 to 185 °F) |
| Relative humidity | 5 to 90% non-condensing |
| Max. operating altitude | 2,000 m (6562 ft.) |
| Non-operating altitude | 15,000 m (49213 ft.) |
| Noise level | < 65 dba at six ft. (72 in.) from the HDMP6000 |
| Mounting location | Not suitable for wet locations. For indoor use only. |

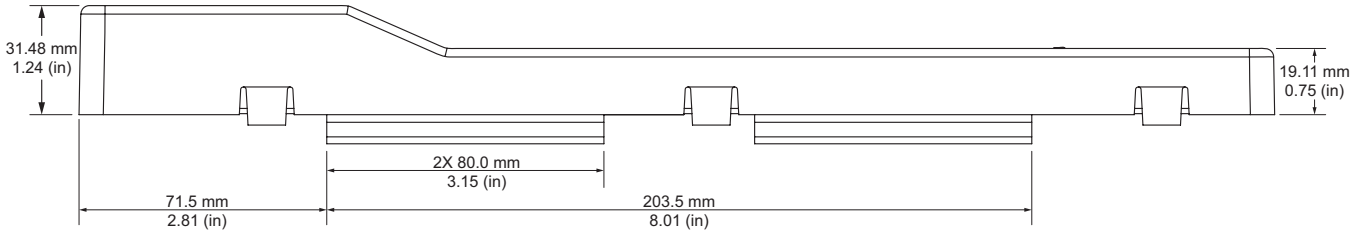
| Standards | | |
|---|---|---|
| **Description** | **General Standard** | **Reference Standard** |
| Radiated emissions | IEC/EN 61326-1 :2020 (Industrial Electromagnetic Environment) | CISPR 11 AC port inc A1 |
| Conducted emissions, AC port | | |
| Conducted emissions, telecom port | | |
| Electrostatic discharge | | IEC/EN 61000-4-2 |
| Radiated RF immunity | | IEC/EN 61000-4-3 |
| Fast transient bursts | | IEC/EN 61000-4-4 |
| Conducted immunity | | IEC/EN 61000-4-6 |
| Power frequency magnetic field | | IEC/EN 61000-4-8 |
| Voltage dips and interruptions | | IEC/EN 61000-4-11 |

# Dimensions

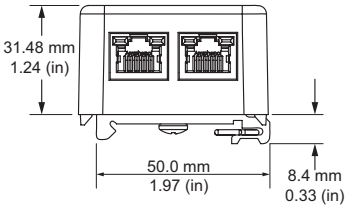
### Top view




### Front view




### Side view



# Commercial Reference

| Model | Description |
|---|---|
| **HDPM6000S24 Strip Module** | |
| METSEHDPM6S24WF | HDPM6000S 24 Ckt WFC |
| **HDPM6000 Head Unit** | |
| METSEHDPM6S480VC | HDPM 50 / 60 Hz up to 480 v |
| **HDPM6000 Temperature and Humidity Sensors** | |
| METSEHDPMTEMP08B | HDPM Temperature Sensor with 8ft Blue Cable |
| METSEHDPMTEMP08Y | HDPM Temperature Sensor with 8ft Yellow Cable |
| METSEHDPMTEMP12B | HDPM Temperature Sensor with 12ft Blue Cable |
| METSEHDPMTEMP12Y | HDPM Temperature Sensor with 12ft Yellow Cable |
| METSEHDPMTEMP25B | HDPM Temperature Sensor with 25ft Blue Cable |
| METSEHDPMTEMP25Y | HDPM Temperature Sensor with 25ft Yellow Cable |
| METSEHDPMTEMPHM25B | HDPM Temperature and Humidity Sensor with 25ft Blue Cable |
| METSEHDPMTEMPHM25Y | HDPM Temperature and Humidity Sensor with 25ft Yellow Cable |
| METSEHDPMTEMPHM06B | HDPM Temperature and Humidity Sensor with 6ft Blue Cable |
| METSEHDPMTEMPHM06Y | HDPM Temperature and Humidity Sensor with 6ft Yellow Cable |
| **HDPM6000 CT's** | Refer to HDPM6000 CT manual for full list |
| **Power Supplies** | |
| METSEHDPM6PSV240* | HDPM PS 24 VDC 60 watt |
| METSEHDPM6PSV500* | HDPM PS 24 VDC 90 watt |

**Phoenix Contact power supply.*

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As standards, specifications and designs develop from time to time, please contact Schneider Electric for confirmation of the information given in this document.

Design: Schneider Electric
Photos: Schneider Electric

HDPM6000S24 Strip Module
**PLSED310199EN**

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