

HDPM6000R

Technical Data Sheet

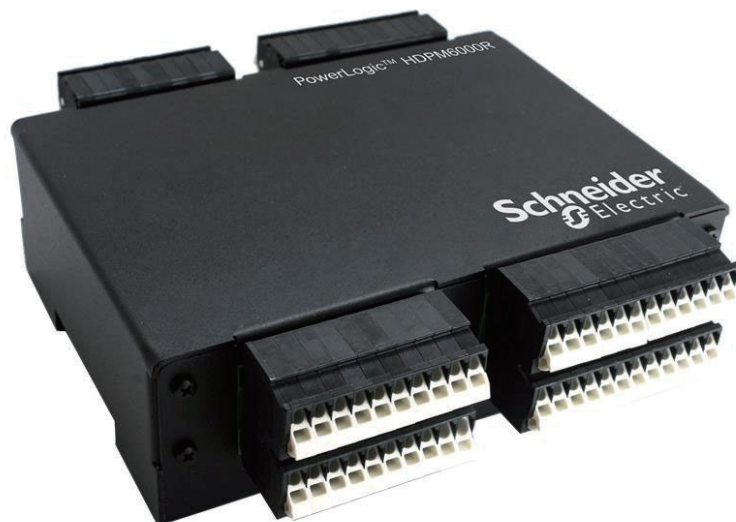
Exceptional utility grade power monitoring and full power quality metrics with optional waveform capture - all at the branch circuit level

The PowerLogic™ HDPM6000 head unit pairs with the HDPM6000R retrofit module to provide waveform capture, data logging and Ethernet communication. The most versatile meter on the market, it can be integrated into any switchgear, distribution panel or cabinet with a high density of circuits. The HDPM6000 head unit outputs directly via Ethernet using Modbus TCP/IP, SNMP, and BACnet. The HDPM6000R is installed with little down time and is available in 24, 42, 84, 108, 126, 168 and 192 circuit solutions.

The flexible design of the HDPM6000R is ideal for today's environment of constant additions, continual moves and location adjustments. The design allows for easy installation, as well as simple integration and operation. Stocked with a common chipset, web-based UI and upgradeable firmware, the HDPM6000 platform delivers a high quality power metering solution.

Applications

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



Market solutions

Markets that benefit from a solution that includes HDP6000R:

- Data centers
 - Industrial facilities
 - Healthcare facilities
 - Manufacturing
 - Many other critical and non-critical facilities
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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
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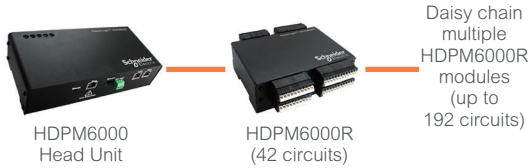
Competitive advantages

- 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 PSO 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.

HDPM6000R



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
- Total Harmonic Distortion (THD)
- Current waveform capture (optional)
- Power factor (signed, to show leading or lagging current), per branch and average of all phases for multi-phase logical circuits

Features guide

Web interface	For configuration and live data access
Supported protocols	Modbus TCP/IP, SNMP, BACnet
Data storage and logging	8 GB Class 10 SD card included
Alarms	Onboard user-configurable alarms and alerts
Power quality analytics	Waveform capture and current THD

Technical specifications

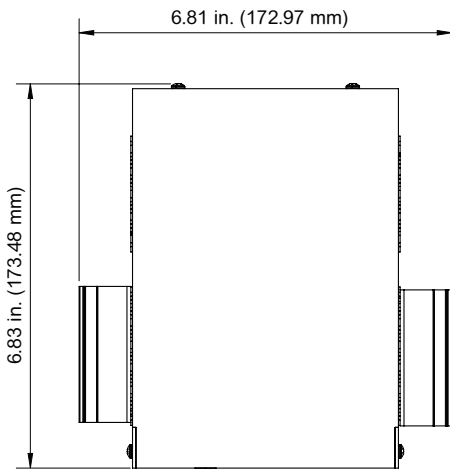
Electrical characteristics	
CT support	20–4000 A with internal burdened resistor and 250 mV signal (no shunting blocks required)
CT options	Solid-core or split-core type current transformers with a maximum voltage of 480 V. CTs are accurate from 1–100% of the range and are factory calibrated to ensure system accuracy.
Environmental characteristics	
Operating temperature	-20 to 60 °C
Storage temperature	-40 to 85 °C
Relative humidity	5 to 90% non-condensing
Maximum operating altitude	2,000 m
Non-operating altitude	15,000 m
Noise level	< 65 dba at six feet from the PQM
Mounting location	Not suitable for wet locations. For indoor use only.

Note: For detailed electrical specifications on measurement voltage and power supply input voltage, refer to the HDPM6000 Technical Datasheet.

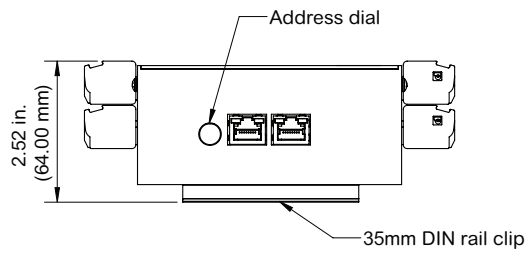
Dimensions

24-Circuit

Top view

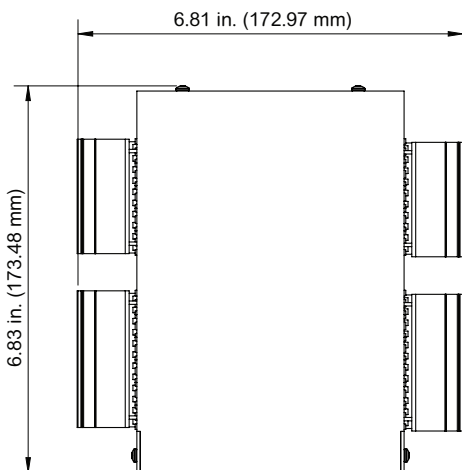


Side view

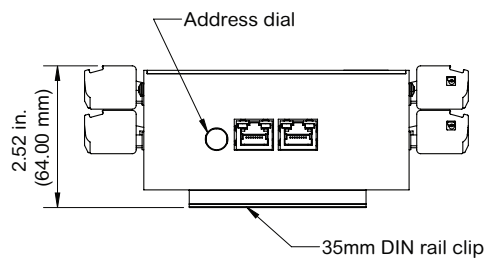


42-Circuit

Top view

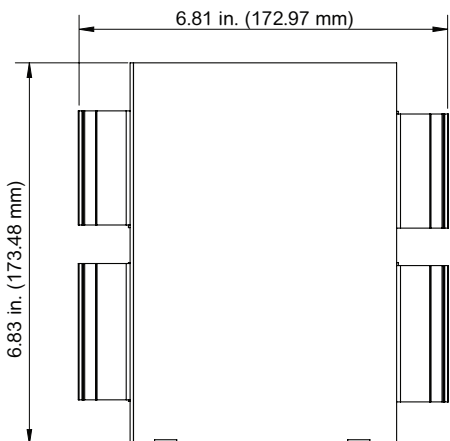


Side view

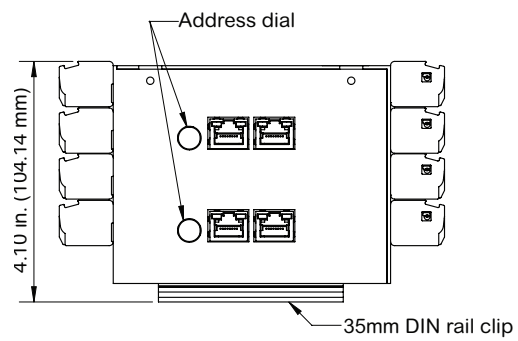


84-Circuit

Top view



Side view



Commercial References

Model	Description
HDPM6000R Bundles	
METSEHDPM6R24LC	HDPMR 24 Ckt 60Hz 208v
METSEHDPM6R24WLC	HDPMR 24 CKT WFC 60Hz 208v
METSEHDPM6R42LC	HDPMR 42 Ckt 60Hz 208v
METSEHDPM6R42WLC	HDPMR 42 CKT WFC 60Hz 208v
METSEHDPM6R84LC	HDPMR 84 Ckt 60Hz 208v
METSEHDPM6R84WLC	HDPMR 84 CKT WFC 60Hz 208v
METSEHDPM6B84LC	HDPMR 84 Ckt (2 x 42ckt) 60Hz 208v
METSEHDPM6B84WLC	HDPMR 84 Ckt (2 x 42ckt) WFC 60Hz 208v
METSEHDPM6108LC	HDPMR 108 Ckt 60Hz 208v
METSEHDPM6108WLC	HDPMR 108 CKT WFC 60Hz 208v
METSEHDPM6126LC	HDPMR 126 Ckt 60Hz 208v
METSEHDPM6126WLC	HDPMR 126 CKT WFC 60Hz 208v
METSEHDPM6168LC	HDPMR 168 Ckt 60Hz 208v
METSEHDPM6168WLC	HDPMR 168 CKT WFC 60Hz 208v
METSEHDPM6192LC	HDPMR 192 Ckt 60Hz 208v
METSEHDPM6192WLC	HDPMR 192 CKT WFC 60Hz 208v
METSEHDPM6R24MC	HDPMR 24 Ckt 60Hz 480v
METSEHDPM6R24WMC	HDPMR 24 CKT WFC 60Hz 480v
METSEHDPM6R42MC	HDPMR 42 Ckt 60Hz 480v
METSEHDPM6R42WMC	HDPMR 42 CKT WFC 60Hz 480v
METSEHDPM6R84MC	HDPMR 84 Ckt 60Hz 480v
METSEHDPM6R84WMC	HDPMR 84 CKT WFC 60Hz 480v
METSEHDPM6B84MC	HDPMR 84 Ckt (2 x 42ckt) 60Hz 480v
METSEHDPM6B84WMC	HDPMR 84 Ckt (2 x 42ckt) WFC 60Hz 480v
METSEHDPM6108MC	HDPMR 108 Ckt 60Hz 480v
METSEHDPM6108WMC	HDPMR 108 CKT WFC 60Hz 480v
METSEHDPM6126MC	HDPMR 126 Ckt 60Hz 480v
METSEHDPM6126WMC	HDPMR 126 CKT WFC 60Hz 480v
METSEHDPM6168MC	HDPMR 168 Ckt 60Hz 480v
METSEHDPM6168WMC	HDPMR 168 CKT WFC 60Hz 480v
METSEHDPM6192MC	HDPMR 192 Ckt 60Hz 480v
METSEHDPM6192WMC	HDPMR 192 CKT WFC 60Hz 480v
METSEHDPM6R24LD	HDPMR 24 Ckt 50Hz 208v
METSEHDPM6R24WLD	HDPMR 24 CKT WFC 50Hz 208v
METSEHDPM6R42LD	HDPMR 42 Ckt 50Hz 208v
METSEHDPM6R42WLD	HDPMR 42 CKT WFC 50Hz 208v
METSEHDPM6R84LD	HDPMR 84 Ckt 50Hz 208v
METSEHDPM6R84WLD	HDPMR 84 CKT WFC 50Hz 208v
METSEHDPM6B84LD	HDPMR 84 Ckt (2 x 42ckt) 50Hz 208v
METSEHDPM6B84WLD	HDPMR 84 Ckt (2 x 42ckt) WFC 50Hz 208v
METSEHDPM6108LD	HDPMR 108 Ckt 50Hz 208v
METSEHDPM6108WLD	HDPMR 108 CKT WFC 50Hz 208v
METSEHDPM6126LD	HDPMR 126 Ckt 50Hz 208v
METSEHDPM6126WLD	HDPMR 126 CKT WFC 50Hz 208v
METSEHDPM6168LD	HDPMR 168 Ckt 50Hz 208v

Model	Description
METSEHDPM6168WLD	HDPMR 168 CKT WFC 50Hz 208v
METSEHDPM6192LD	HDPMR 192 Ckt 50Hz 208v
METSEHDPM6192WLD	HDPMR 192 CKT WFC 50Hz 208v
METSEHDPM6R24MD	HDPMR 24 Ckt 50Hz 480v
METSEHDPM6R24WMD	HDPMR 24 CKT WFC 50Hz 480v
METSEHDPM6R42MD	HDPMR 42 Ckt 50Hz 480v
METSEHDPM6R42WMD	HDPMR 42 CKT WFC 50Hz 480v
METSEHDPM6R84MD	HDPMR 84 Ckt 50Hz 480v
METSEHDPM6R84WMD	HDPMR 84 CKT WFC 50Hz 480v
METSEHDPM6B84MD	HDPMR 84 Ckt (2 x 42ckt) 50Hz 480v
METSEHDPM6B84WMD	HDPMR 84 Ckt (2 x 42ckt) WFC 50Hz 480v
METSEHDPM6108MD	HDPMR 108 Ckt 50Hz 480v
METSEHDPM6108WMD	HDPMR 108 CKT WFC 50Hz 480v
METSEHDPM6126MD	HDPMR 126 Ckt 50Hz 480v
METSEHDPM6126WMD	HDPMR 126 CKT WFC 50Hz 480v
METSEHDPM6168MD	HDPMR 168 Ckt 50Hz 480v
METSEHDPM6168WMD	HDPMR 168 CKT WFC 50Hz 480v
METSEHDPM6192MD	HDPMR 192 Ckt 50Hz 480v
METSEHDPM6192WMD	HDPMR 192 CKT WFC 50Hz 480v
HDPM6000R Module Only	
METSEHDPM6R24	HDPMR 24 Ckt Module
METSEHDPM6R24WF	HDPMR 24 Ckt Module Wave Form
METSEHDPM6R42	HDPMR 42 Ckt Module
METSEHDPM6R42WF	HDPMR 42 Ckt Module Wave Form
METSEHDPM6R84	HDPMR 84 Ckt Module
METSEHDPM6R84WF	HDPMR 84 Ckt Module Wave Form
Power Supplies	
METSEHDPM6PSV240*	HDPM PS 24VDC 60watt
METSEHDPM6PSV500*	HDPM PS 24VDC 90watt

*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

HDPM6000R Retrofit Module
PLSED310173EN

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Rev: B

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