



PowerLogic™ Single-Phase energy meters



PowerLogic™ Single-Phase energy meters offer a cost-attractive, competitive range of single-phase DIN rail-mounted energy meters. With up to 100A direct-connect capability (supporting loads as low as 5A), digital display, Class 1 accuracy, MID compliance, and serial communication via M-Bus or Modbus, PowerLogic Single-Phase meters are perfect for sub-billing and cost allocation applications, and help you meet customer expectations with confidence.

100%

Compatible with the legendary PowerLogic™ range

The best, most complete solution

All markets can benefit from a solution that includes PowerLogic Single-Phase meters:

- Commercial buildings (small to extra large)
- Industry
- Data centers and networks
- Infrastructure (airport, road tunnels, telecom)
- Multi-unit residential buildings

Applications

- Monitor power consumption in each sector, unit, workshop, or process
- Optimise your building's energy efficiency (sub-billing, cost allocation)
- Connect to power management software to take full advantage of the IoT digital power installation

Conformity of standards

- | | |
|---------------------------|---------------------------|
| • IEC 62053-21 | • IEC 61326-1 |
| • IEC 62053-23 | • IEC 61010-1 |
| • EN 50470-1 / EN 50470-3 | • IEC 63000:2018 |
| • IEC 62052-11 | • CE, UKCA, MIR certified |
| • IEC 62052-31:2015 | |

Data integrity

- Antitamper sealing parts prohibit accessibility to all metering connections (voltage, current, DI/DO)
- Save date/time of last reset to verify start of measurement and if clock was altered

New Features: EM2214

- Direct connect up to 100A (no CTs required)
- Class 1 (kWh) / Class 2 (kVARh) accuracy with MID certification
- Dual pulse outputs for flexible energy monitoring integration
- 4-quadrant measurement for full energy visibility
- LCD display with real-time electrical parameters (V, I, P, PF, etc.)

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Meet your customers' expectations with the right energy meter



PowerLogic Single-Phase energy meters are ideal for sub-billing and cost-allocation applications.

Functions	iEM2050/ iEM2055	iEM2435/ iEM2455/EM2214		
45A I _{max}	■			
100A I _{max}		■		
Communication port	Modbus	M-Bus (iEM2435)	Modbus (iEM2455)	
Pulse output (Energy)	1	2		
Display type	LCD			
DIN modules	1M	2M		
Multi tariff counter	2	2 (iEM2455, iEM2435)		
Wh accuracy (BS/EN/IEC 62053-21)	Class 1			
VARh accuracy (BS/EN/IEC 62053-23)	Class 2			
4-Quadrants measurement	■	■		
MID Class B (BS/EN 50470-3), 50 Hz	■ (iEM2055)	■		
V I F PF	■	■		
Power (P Q S)	■	■		

Please see your Schneider Electric representative for complete ordering information

Environmental Data Mark

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

CE markings as per IEC 61010-1 Ed-3

ISO/EHS certified manufacturing facility reinforces product quality and reliability. Independent lab reports available for CE.

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