

SolarEdge MTR-240-1PC1-DW-MW direct meter MTR EU1 single-phase

Product code: **AF.licznik.solaredge.01**



SolarEdge MTR-240-1PC1-DW-MW is an advanced direct meter, designed for easy installation in standard electrical panels. It ensures precise energy measurement with an accuracy of up to 1% and comes with built-in current transformers, facilitating fast installation and reducing labor costs. With integration with SolarEdge Energy Net, it enables wireless communication with the inverter and management of energy export/import limits. It can be directly connected to up to 65 A per phase, whether in single-phase or three-phase configurations. Configuration is straightforward thanks to automatic detection by the SolarEdge inverter, and monitoring is done through the SetApp mobile application. This comprehensive metering solution allows for increased revenue by optimizing energy usage.

Product variants

Index	Price
SolarEdge MTR-240-1PC1-DW-MW direct meter MTR EU1 single-phase AF.licznik.solaredge.01	Product prices only visible after login. If you do not have an account, please register.

Product description

SolarEdge MTR-240-1PC1-DW-MW is an advanced direct meter, designed for easy installation in standard electrical panels. It ensures precise energy measurement with an accuracy of up to 1% and comes with built-in current transformers, facilitating fast installation and reducing labor costs. With integration with SolarEdge Energy Net, it enables wireless communication with the inverter and management of energy export/import limits. It can be directly connected to up to 65 A per phase, whether in single-phase or three-phase configurations. Configuration is

straightforward thanks to automatic detection by the SolarEdge inverter, and monitoring is done through the SetApp mobile application. This comprehensive metering solution allows for increased revenue by optimizing energy usage. Technical specifications of the SolarEdge Home direct meter: Nominal voltage: 1 x 230 Vac Phase to neutral: 184 - 264.5 Vac AC frequency: 45 - 65 Hz Maximum current (I_{max}): 65 A Transient current (I_{tr}) 0.5 A Start-up current (I_{st}) 20 mA Minimum current (I_{min}) 0.25 A Reference current (I_{ref}) 5 A RS485 terminal block cross-section 0.2 - 2 mm² RS485 connector half-duplex communication, 3 wires (A, B, GND) MODBUS RTU protocol Power register update resolution <200 ms All other registers < 4 s RS485 line termination 120 (selectable) Ω Display 8-digit Protection rating (internal) IP51 Mounting bracket DIN rail Weight 320 g Material Polycarbonate Lexan 503R Dimensions (width x height x depth) 72 x 90 x 58 mm