

FRONIUS SYMO 10.0-3-M

Product code: F.Fronius.3F.wifi.00100-M



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	3
Max. AC power	10000
Output power	10000
Circuit breaker value	25
MPPT	2
Amperage	27/16.5
WIFI	Tak
Ethernet	No
Compatible optimizers	Tigo
Warranty	10
CN code number	85044086
Quantity per pallet	10
Country of origin	Austria
Weight	35
Width	51
Height	75
Depth	23

Network inverters Fronius Symo are three-phase transformerless devices, available in a wide range of power from 3.0 to 20.0 kW, perfectly suited for photovoltaic installations of various sizes. Thanks to the innovative SuperFlex Design solution, Fronius Symo performs excellently on roofs with irregular shapes or varying orientations. Easy internet access via Wi-Fi or Ethernet, along with the simplicity of integrating with components from other companies, make Fronius Symo one of the most "communicative" inverters available on the market. Additionally, the interface for intelligent energy meters enables dynamic management of energy transfer to the grid, while providing clear visualizations of energy consumption for personal needs.

Product variants

Index	Price
FRONIUS SYMO 10.0-3-M F.Fronius.3F.wifi.00100-M	Product prices only visible after login. If you do not have an account, please register.

Product description

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Technical data Fronius Symo 10.0-3M:

Nominal AC power [W]: 10000W

Number of phases: 3F

Max. output power [VA]: 10000 VA

AC output current [A]: 14.4 A

AC voltage range [V]: 150 - 280 V

Frequency [Hz]: 50 / 60 Hz

Frequency range [Hz]: 45 - 65 Hz

Nonlinear distortion factor: 1.8%

Power factor [$\cos \varphi_{ac,r}$]: 0 - 1 ind./cap.

Number of MPP trackers: 2

Max. input current [A]: 27.0 / 16.5 A

Max. short-circuit current of module fields: 40.5 / 24.8 A

DC input voltage range [V]: 200 - 1000 V

Starting voltage [V]: 200.0 V

Nominal input voltage [V]: 600.0 V

MPP voltage range [V]: 270 - 800 V

Useful MPP voltage range [V]: 200 - 800 V

Number of DC connections: 3 + 3

Max. photovoltaic generator power: 15.0 kW_{peak}

Max. efficiency factor (photovoltaic installation - power grid): 98.0%

MPP adaptation efficiency factor: > 99.9%

Dimensions [mm]: 725.0 x 510.0 x 225.0 mm

Weight [kg]: 34.8 kg

Degree of protection [IP]: IP 66

DC connection technology: Screw terminals 6x DC+ and 6x DC- 2.5-16 mm²

AC connection technology: 5-pin screw terminals AC 2.5-16 mm²

Key features Fronius Symo 10.0-3-M:

SnapINverter mounting system

Ethernet and WiFi communication

Dynamic Peak Manager

Smart Grid Ready - The inverters are adapted to future standards and requirements of power grids, possessing advanced network functions. They provide optimal delivery of reactive and active power, eliminating undesired power supply interruptions caused by exceeding network parameters. Fronius inverters can regulate the delivered power, taking into account their own consumption, and a power supply limit can be configured by connecting a meter to the inverter.

SuperFlex Design - This technology enables flexible system design and easy installation. Key features include two MPP trackers, high system voltage, and a wide range of DC input voltages. Each DC input and MPP tracker is capable of handling the full rated power of the inverter. As a result, one inverter can handle the entire installation regardless of roof orientation, number of shaded PV modules, or individual module functions.

Energy outflow limitation

Fronius products come with a factory two-year warranty, which can be extended to 5 years free of charge by simple registration on the Fronius Solar.web portal. Registering the inverter on Solar.web offers numerous benefits, including:

Warranty protection for up to 7 years for registered products.

Free monitoring of photovoltaic system performance on the Fronius Solar.web portal.

Regular information on new features, accessories, compatible batteries, and home automation solutions.