

FRONIUS SYMO 4.5-3-M

Product code: F.Fronius.3F.wifi.00045-M



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	3
Max. AC power	4500
Output power	4500
Circuit breaker value	16
MPPT	2
Amperage	16
WIFI	Tak
Ethernet	No
Compatible optimizers	Tigo
Warranty	10
CN code number	85044085
Quantity per pallet	12
Country of origin	Austria
Weight	20
Width	43
Height	64
Depth	20

Thanks to the diverse power classes ranging from 3.0 to 8.2 kW, the three-phase Fronius Symo inverter is an excellent solution for use in installations of various sizes. The SuperFlex Design construction makes the Fronius Symo device perfectly suited for curved or differently structured roofs. Easy internet connection via WLAN or Ethernet interface, as well as the possibility of seamless integration with components from other manufacturers, make the Fronius Symo inverter one of the most "communicative" devices available on the market. Additionally, thanks to the meter connection, dynamic power management and transparent visualization of energy consumption are possible.

Product variants

Index	Price
FRONIUS SYMO 4.5-3-M F.Fronius.3F.wifi.00045-M	Product prices only visible after login. If you do not have an account, please register.

Product description

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Fronius Symo 4.5-3-M Wlan WEB Inverter - Technical Data:

Input data:

Number of MPP trackers

Max. input current (I_{dc max}): 16.0/16.0 A

Max. short-circuit current of module field: 31/31 A

DC input voltage range (U_{dc min} - U_{dc max}): 150 - 1000 V

Starting voltage (U_{dc start}): 200 V

Nominal input voltage (U_{dc,r}): 595 V

MPP voltage range (U_{mpp min} - U_{mpp max}): 150 - 800 V

Usable MPP voltage range: 150 - 800 V

Number of DC connections: 2+2

Max. power of photovoltaic generator (P_{dc max}): 9 kW_{peak}

Output data:

AC rated power (P_{ac,r}): 4500 W

Max. output power (P_{ac max}): 4500 VA

AC output current (I_{ac nom}): 6.5 A

Network connection (U_{ac,r}): 3~ NPE 400/230, 3~ NPE 380/220 V

AC voltage range (U_{min} - U_{max}): 150 - 280 V

Frequency (f_r): 50 / 60 Hz

Frequency range (f_{min} - f_{max}): 45 - 65 Hz

Nonlinear distortion factor <3% @P_{nom} (230/400VAC 50Hz)

Power factor (cos φ_{ac,r}): 0.85 - 1 ind./cap.

General data:

Dimensions / Width: 432.5 mm

Dimensions / Height: 642.5 mm

Dimensions / Depth: 205.5 mm

Weight: 19.75 kg

Weight with packaging: 23.05 kg

Protection degree: IP 65

Protection class: 1

Surge category (DC/AC): 2 / 3

Night energy consumption: < 1 W

Inverter construction concept: Transformerless

Cooling: Regulated ventilation

Indoor and outdoor installation

Ambient temperature range: -25°C - +60°C

Permissible air humidity: 0 - 100%

DC connection technology: Screw terminals 4x DC+ and 4x DC- 2.5-16 mm² (At 16 mm² without cable end sleeves.)

AC connection technology: 5-pole screw terminals AC 2.5-16 mm² (At 16 mm² without cable end sleeves.)

DC insulation measurement: Yes

Behavior in case of overload: Shift of operating point, power limiter

DC disconnect switch: Yes

DC pole reversal protection: Yes

Advantages of the Fronius Symo 4.5-3-M Wlan WEB inverter:

SNAPINWERTER mounting system

Integrated data communication

DYNAMIC PEAK MANAGER

SMART GRID READY

SuperFlex Design

Energy impact reduction

Made in Austria

Fronius products come with a two-year factory warranty, which can be extended to 5 years free of charge through simple registration on the Fronius Solar.web portal.

Registering the inverter on Solar.web offers numerous benefits, including:

- Warranty protection for up to 5 years for registered products.
 - Free monitoring of photovoltaic system performance on the Fronius Solar.web portal.
 - Regular information about new features, accessories, compatible batteries, and home automation solutions.
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