

FRONIUS SYMO 4.5-3-S

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



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	3
Max. AC power	4500
Output power	4500
Circuit breaker value	16
MPPT	1
Amperage	16
WIFI	Tak
Ethernet	No
Compatible optimizers	Tigo
Warranty	10
CN code number	85044085
Quantity per pallet	12
Country of origin	Austria
Weight	16
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-S F.Fronius.3F.wifi.00045-S	Product prices only visible after login. If you do not have an account, please register.

Product description

Thanks to the diversified power classes ranging from 3.0 to 8.2 kW, the three-phase inverter Fronius Symo provides an excellent solution for use in installations of various sizes. The SuperFlex Design construction makes the Fronius Symo device perfectly suitable for curved or structurally diverse 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.

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

Input data:

Number of MPP trackers

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

Max. short-circuit current of module array: 24.0 A

Range of DC input voltages ($U_{dc\ min}$ - $U_{dc\ max}$): 150 - 1000 V

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

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

Range of MPP voltages ($U_{mpp\ min}$ - $U_{mpp\ max}$): 300 - 800 V

Usable MPP voltage range: 150 - 800 V

Number of DC connectors: 3

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

Output data:

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

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

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

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

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

Frequency (f_r): 50 / 60 Hz

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

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

Power factor ($\cos\ \varphi_{ac,r}$): 0.70 - 1 ind./cap.

General data:

Dimensions / width: 432.5 mm

Dimensions / height: 642.5 mm

Dimensions / depth: 205.5 mm

Weight: 16.54 kg

Weight with packaging: 18.65 kg

Degree of protection IP 65

Protection class: 1

Surge category (DC/AC) 1): 2 / 3

Nighttime energy consumption: < 1 W

Inverter construction concept: Transformerless

Cooling: Regulated ventilation

Installation inside and outside buildings

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

Permissible air humidity: 0 - 100 %

DC connection technology: Screw terminals 3x DC+ and 3x DC- 2.5-16 mm²

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

DC insulation measurement: Yes

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

DC disconnect: Yes

DC polarity reversal protection: Yes

Advantages of Fronius Symo 4.5-3-S Wlan WEB inverter:

SNAPINWERTER mounting system

Integrated data communication

DYNAMIC PEAK MANAGER

SMART GRID READY

SuperFlex Design

Energy impact reduction

Manufactured in Austria

Fronius products come with a two-year factory warranty, which can be extended free of charge to 5 years 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 installation performance on the Fronius Solar.web portal.
 - Regular information about new features, accessories, compatible batteries, and solutions for home automation.
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