

# FRONIUS SYMO 3.7-3-M

Product code: F.Fronius.3F.wifi.00037-M



Manufacturer	<b>FRONIUS</b>
Inverter type	<b>On-grid</b>
Inverter phases	<b>3</b>
Max. AC power	<b>3700</b>
Output power	<b>3700</b>
Circuit breaker value	<b>16</b>
MPPT	<b>2</b>
Amperage	<b>16</b>
WIFI	<b>Tak</b>
Ethernet	<b>No</b>
Compatible optimizers	<b>Tigo</b>
Warranty	<b>10</b>
CN code number	<b>85044085</b>
Quantity per pallet	<b>12</b>
Country of origin	<b>Austria</b>
Weight	<b>20</b>
Width	<b>43</b>
Height	<b>64</b>
Depth	<b>20</b>

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
<b>FRONIUS SYMO 3.7-3-M</b> F.Fronius.3F.wifi.00037-M	Product prices only visible after login. If you do not have an account, please register.

## Product description

Thanks to the diverse power classes ranging from 3.0 to 8.2 kW, the three-phase inverter Fronius Symo is 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 clear visualization of energy consumption are possible.

#### Fronius Symo 3.7-3-M Wlan WEB Inverter - Technical Data:

##### Input Data:

Number of MPP trackers: 2  
Maximum input current (I<sub>dc max</sub>): 16.0/16.0 A  
Maximum module field short-circuit current: 31/31 A  
DC input voltage range (U<sub>dc min</sub> - U<sub>dc max</sub>): 150 - 1000 V  
Startup voltage (U<sub>dc start</sub>): 200 V  
Nominal input voltage (U<sub>dc,r</sub>): 595 V  
MPP voltage range (U<sub>mpp min</sub> - U<sub>mpp max</sub>): 150 - 800 V  
Useful MPP voltage range: 150 - 800 V  
Number of DC connections: 2+2  
Maximum photovoltaic generator power (P<sub>dc max</sub>): 7.4 kWp

##### Output Data:

AC nominal power (P<sub>ac,r</sub>): 3700 W  
Maximum output power (P<sub>ac max</sub>): 3700 VA  
AC output current (I<sub>ac nom</sub>): 5.3 A  
Grid connection (U<sub>ac,r</sub>): 3~ NPE 400/230, 3~ NPE 380/220 V  
AC voltage range (U<sub>min</sub> - U<sub>max</sub>): 150 - 280 V  
Frequency (f<sub>r</sub>): 50 / 60 Hz  
Frequency range (f<sub>min</sub> - f<sub>max</sub>): 45 - 65 Hz  
Non-linear distortion factor <3% @P<sub>nom</sub> (230/400VAC 50Hz)  
Power factor (cos φ<sub>ac,r</sub>): 0.85 - 1 inductive/capacitive

##### 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  
Degree of protection IP 65  
Protection class: 1  
Surge protection category (DC/AC 1): 2 / 3  
Night energy consumption: < 1 W  
Inverter construction concept: Transformerless  
Cooling: Regulated ventilation  
Installation indoors and outdoors  
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 mm<sup>2</sup> (At 16 mm<sup>2</sup> without cable ends.)  
AC connection technology: 5-pole screw terminals AC 2.5-16 mm<sup>2</sup> (At 16 mm<sup>2</sup> without cable ends.)  
DC insulation measurement: Yes  
Behavior in overload conditions: Shift of operating point, power limiter  
DC disconnect: Yes

DC pole reversal protection: Yes

Advantages of Fronius Symo 3.7-3-M Wlan WEB inverter:

SNAPINVERTER mounting system

Integrated data communication

DYNAMIC PEAK MANAGER

SMART GRID READY

SuperFlex Design

Energy impact limitation

Manufactured in Austria

Fronius products come with a standard two-year warranty, which can be extended to 5 years free of charge by registering 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 home automation solutions.