

FRONIUS SYMO 3.7-3-S

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



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	3
Max. AC power	3700
Output power	3700
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 3.7-3-S F.Fronius.3F.wifi.00037-S	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 Fronius Symo inverter provides an excellent solution for use in installations of various sizes. The SuperFlex Design construction makes the Fronius Symo device ideal 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, with the meter connection, dynamic power management and transparent visualization of energy consumption are possible.

Fronius Symo 3.7-3-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 field*: 24.0 A

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

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

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

MPP voltage range (U_{mpp min} - U_{mpp max}): 250 - 800 V

Usable MPP voltage range: 150 - 800 V

Number of DC connections: 3

Max. photovoltaic generator power (P_{dc max}): 7.4 kW_{peak}

Output Data:

AC rated power (P_{ac,r}): 3700 W

Max. output power (P_{ac max}): 3700 VA

AC output current (I_{ac nom}): 5.3 A

Grid 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}): 0.70 - 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

Protection class: IP 65

Protection class: 1

Surge category (DC/AC): 2 / 3

Night-time power 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 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

Overload behavior: Power point shift, power limiter

DC disconnect: Yes

DC reverse polarity protection: Yes

Advantages of the Fronius Symo 3.7-3-S Wlan WEB inverter:

SNAPINVERTER 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 to 5 years free of charge by simply 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 system performance on the Fronius Solar.web portal.
- Regular information on new features, accessories, compatible batteries, and home automation solutions."