

FRONIUS PRIMO 3.6-1 WiFi

Product code: F.Fronius.1F.wifi.00036-Primo



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	1
Max. AC power	3600
Max. DC power	4400
Output power	3680
Circuit breaker value	20
MPPT	2
Amperage	12
WIFI	Tak
Ethernet	No
Compatible optimizers	Tigo
Warranty	10
CN code number	85044085
Quantity per pallet	12
Country of origin	Austria
Weight	21.5
Width	43
Height	65
Depth	20

Fronius Primo is a series of inverters, covering a power range from 3.0 to 8.2 kW, perfectly complementing the new generation of SnapINverter inverters. This single-phase, transformerless inverter performs exceptionally well in residential households. Thanks to the innovative SuperFlex Design, which provides maximum flexibility in installation design, and the SnapINverter mounting system, installation and maintenance are extremely simple. The standard integrated communication package with WLAN interface, energy management function, numerous connections, and other features makes Fronius Primo a very "communicative" device for its user.

Product variants

Index	Price
FRONIUS PRIMO 3.6-1 WiFi F.Fronius.1F.wifi.00036-Primo	Product prices only visible after login. If you do not have an account, please register.

Product description

Fronius Primo is a series of inverters, covering a power range from 3.0 to 8.2 kW, perfectly complementing the new SnapINverter generation of inverters. This single-phase, transformerless inverter works perfectly in residential settings. Thanks to the innovative SuperFlex Design, which provides maximum flexibility in installation design, and the SnapINverter mounting system, installation and maintenance are extremely simple. The integrated communication package with WLAN interface, energy management function, numerous connectors, and other features makes the Fronius Primo a very "communicative" device for its user.

FRONIUS PRIMO 3.6-1 WiFi Inverter technical data:

Input data:

Number of MPP trackers: 2

Max. input current ($I_{dc\ max}$): 12 / 12 A

Max. short-circuit current of module arrays: 24 / 24 A

DC input voltage range ($U_{dc\ min}$ - $U_{dc\ max}$): 80 - 1000 V

Starting voltage ($U_{dc\ start}$): 80 V

Rated input voltage ($U_{dc,r}$): 710 V

MPP voltage range ($U_{mpp\ min}$ - $U_{mpp\ max}$): 200 - 800 V

Useful MPP voltage range: 80 - 800 V

Number of DC connections: 2 + 2

Max. power of photovoltaic generator ($P_{dc\ max}$): 5.5 kW_{peak}

Output data:

AC rated power ($P_{ac,r}$): 3680 W

Max. output power ($P_{ac\ max}$): 3680 VA

AC output current ($I_{ac\ nom}$): 16 A

Network connection ($U_{ac,r}$): 1~ NPE 220/230 V

AC voltage range (U_{min} - U_{max}): 180 - 270 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 ($\cos\ \varphi_{ac,r}$): 0.85 - 1 ind./cap.

General data:

Dimensions / width: 432.5 mm

Dimensions / height: 642.5 mm

Dimensions / depth: 205.5 mm

Weight: 19.25 kg

Weight with packaging: 25.8 kg

Protection degree: IP 68

Protection class: 1

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

Nighttime power consumption < 1 W

Indoor and outdoor installation

Ambient temperature range -40°C - +55°C

Permissible air humidity 0 - 100%

DC connection technology: Screw terminals 4x DC+ and 4x DC- 2.5-16 mm²

AC connection technology: 3-way screw terminals AC 2.5-16 mm²

Fronius products come with a two-year factory warranty, which can be extended free of charge to 5 years by 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.