FRONIUS PRIMO 3.0-1 WiFi

Product code: F.Fronius.1F.wifi.00030-Primo

Manufacturer	**FRONIUS**
Inverter type	**On-grid**
Inverter phases	**1**
Max. AC power	**3000**
Max. DC power	**3600**
Output power	**3000**
Circuit breaker value	**16**
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 3.0-1 WiFi F.Fronius.1F.wifi.00030-Primo	Product prices only visible after login. If you do not have an account, please register.

Product description

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Fronius 3.0-1 WiFi / 1-phase inverter technical data:
Input data:
Number of MPP trackers: 2
Max. input current (Idc max): 12 / 12 A
Max. module field short-circuit current: 24 / 24 A
DC input voltage range (Udc min – Udc max): 80 - 1000 V
Startup voltage (Udc start): 80 V
Nominal input voltage (Udc,r): 710 V
MPP voltage range (Umpp min – Umpp max): 200 - 800 V
Usable MPP voltage range: 80 - 800 V
Number of DC connections: 2 + 2
Max. photovoltaic generator power (Pdc max): 4.5 kWpeak
Output data:
AC nominal power (Pac,r): 3000 W
Max. output power (Pac max): 3000 VA
AC output current (Iac nom): 13 A
Grid connection (Uac,r): 1~ NPE 220/230 V
AC voltage range (Umin - Umax): 180 - 270 V
Frequency (fr): 50 / 60 Hz
Frequency range (fmin - fmax): 45 - 65 Hz
Non-linear distortion factor: <3% @Pnom (230/400VAC 50Hz)
Power factor (cos φac,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
Degree of protection: IP 65
Protection class: 1
Surge category (DC/AC) 1): 2 / 3
Night-time energy 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-pole screw terminals AC 2.5–16 mm²

Fronius products come with a standard two-year warranty, which can be extended free of charge to 5 years 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 updates on new features, accessories, compatible batteries, and home automation solutions.