

FRONIUS PRIMO 4.0-1 light

Product code: F.Fronius.1F.withoutwifi.00040-Primo



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	1
Max. AC power	4000
Max. DC power	4800
Output power	4000
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 SnapInverter generation of inverters. This single-phase, transformerless inverter is ideal for 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 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.

Product variants

Index	Price
FRONIUS PRIMO 4.0-1 light F.Fronius.1F.withoutwifi.00040-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 is ideal for 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 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.

Inverter Fronius Primo 4.0-1 Light - technical data:

Input data:

Number of MPP trackers: 2

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

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

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

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

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

MPP voltage range ($U_{mpp\ min}$ - $U_{mpp\ max}$): 210 - 800 V

Usable MPP voltage range: 80 - 800 V

Number of DC connectors: 2 + 2

Max. photovoltaic generator power ($P_{dc\ max}$): 6 kW_{peak}

Output data:

AC rated power ($P_{ac,r}$): 4000 W

Max. output power ($P_{ac\ max}$): 4000 VA

AC output current ($I_{ac\ nom}$): 17.4 A

Grid 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

Nonlinear 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

Degree of protection: IP 65

Protection class: 1

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

Night-time power consumption < 1 W

Installation indoors and outdoors

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-pin screw terminals AC 2.5-16 mm²

Fronius products come with a standard two-year 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 about new features, accessories, compatible batteries, and home automation solutions.