

Fronius Symo GEN24 10.0 Plus

Product code: F.Fronius.3F.H.wifi.00100-gen24



Manufacturer	FRONIUS
Inverter type	Hybrid
Inverter phases	3
Max. AC power	10000
Output power	10000
Circuit breaker value	32
MPPT	2
Amperage	25
WIFI	Tak
Ethernet	No
Compatible energy storage	Pylontech, BYD
Compatible optimizers	Tigo
Warranty	10
CN code number	85044086
Quantity per pallet	14
Country of origin	Austria
Weight	23.4
Width	53
Height	60
Depth	18

Hybrid inverter Fronius Symo GEN24 10.0 Plus in three-phase version is the perfect heart for individual PV installations. With the PV Point feature, Fronius GEN24 Plus offers built-in basic emergency power supply and the possibility of full backup power on a larger scale by connecting a battery. Once a battery is connected, the hybrid inverter Fronius GEN24 Plus enables achieving energy self-sufficiency in electricity, heating, cooling, and e-mobility. In Full Backup mode, Fronius GEN24 Plus provides sufficient backup power, even for 3-phase loads like heat pumps, thanks to multi-flow technology allowing parallel energy flow in the system during backup power mode.

Product variants

Index	Price
<p>Fronius Symo GEN24 10.0 Plus F.Fronius.3F.H.wifi.00100-gen24</p>	<p>Product prices only visible after login. If you do not have an account, please register.</p>

Product description

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Key features of the Fronius Symo GEN24 10.0 Plus inverter:

INTEGRATED DATA COMMUNICATION - The inverter offers a comprehensive data communication package enabling full integration with Datalogging, WLAN, Ethernet, energy management, and network server. The inverter can be connected to the Internet via a network cable or wirelessly through WLAN, ensuring efficient monitoring of the photovoltaic installation. Additionally, interfaces such as Modbus TCP, Modbus RTU SunSpec, or Fronius Solar API (JSON) allow easy connection of components from other companies. Moreover, through the Fronius Solar.web online portal, open interfaces are available for additional flexibility.

DYNAMIC PEAK MANAGER - Dynamic Peak Manager is an advanced Maximum Power Point Tracking (MPPT) algorithm that dynamically adjusts to find the optimal operating point. It has the capability to locate the Global Maximum Power Point (GMPP), even under partial shading.

MULTI FLOW TECHNOLOGY - With Multi Flow technology, the inverter enables simultaneous processing of different DC and AC energy flows. It can deliver power from modules and the battery simultaneously to the household and transfer energy from modules to the battery and home network. Additionally, the battery can be charged through both DC and AC circuits (e.g., from existing photovoltaic installations or other energy sources). This allows for efficient cooperation with the AC network and regulation of energy flows, ensuring high self-consumption of self-generated energy.

SUPERFLEX DESIGN - Fronius SuperFlex Design is an innovative combination of technical features that significantly simplifies the design of photovoltaic installations. Key elements of SuperFlex Design include two MPP trackers, high system voltage, and a wide range of DC input voltages. Each DC input and MPP tracker can handle the full rated power of the inverter, regardless of roof orientation, module shading, or the diversity of panels used. This flexibility enables the Fronius SuperFlex Design inverter to meet the requirements of any project using a single inverter model.

PV POINT - Integrated basic backup power function, powered socket in emergency situations, allows for the use of essential devices even during power outages.

ACTIVE COOLING - Active cooling technology, using one or multiple fans, not only eliminates potential overheating areas but also regulates airflow inside the inverter, maintaining a low temperature of the power electronics system. This process positively affects device durability, optimizes performance, and reduces costs. Active Cooling is a standard technology in all Fronius products.

FULL BACKUP - The Full Backup option allows for backup power supply to the entire household, both 1-phase and 3-phase devices, in the event of a power grid failure.

Technical data of the Fronius Symo GEN24 10.0 Plus inverter:

INPUT DATA

Number of MPP trackers: 2

Photovoltaic input power: 10300 W

Max. input current (I_{dc max}): 25 A / 12.5 A
MPP voltage range (U_{mpp min} – U_{mpp max}): 278-800 V
Usable MPP voltage range: 80-800 V
Number of DC connections: 2+1
Max. photovoltaic generator power (P_{dc max}): 15 kW_{peak}

OUTPUT DATA

AC rated power (P_{ac,r}): 10 kW
Max. output power (P_{ac max}): 10 kVA
Max. power drawn from the grid: 10 000 VA
Max. AC output current: 16.4 A
AC output rated current (380VAC): 15.2 A
AC output rated current (400VAC): 14.5 A

GENERAL DATA

Dimensions Length: 595 mm
Dimensions / width: 529 mm
Dimensions (height): 595 mm
Dimensions (depth): 180 mm
Weight: 23.38 kg
Weight with packaging: 28.05 kg
Degree of protection: IP66
Protection class: 1

Fronius products come with a two-year factory warranty, which can be extended to 5 years for free through 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 installation performance on the Fronius Solar.web portal.
- Regular information about new features, accessories, compatible batteries, and home automation solutions.