

/ Perfect Welding / Solar Energy / Perfect Charging



# FRONIUS GEN24 PLUS

UNIQUELY VERSATILE.

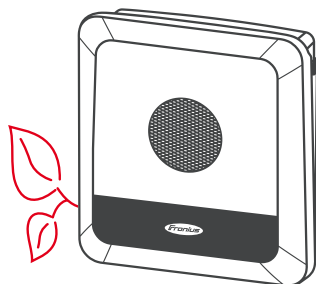


# FRONIUS GEN24 PLUS

The versatile hybrid inverter with integrated backup power function.

The Fronius GEN24 Plus is the all-in-one solution for solar energy supply. Whether it is used in photovoltaics, a storage system, backup power, heating or e-mobility, the Fronius GEN24 Plus offers a unique range of solutions and is therefore playing a pioneering role in the home energy revolution.

[www.fronius.com/gen24plus](http://www.fronius.com/gen24plus)



GEN24 Plus brings us another step closer to our vision of 24 hours of sun:

It's all about sustainability – throughout all phases of the product life cycle. The following facts confirm this:

- / Extension of the inverters service life thanks to active cooling
- / Comprehensive functions and open interfaces replace the need for additional equipment
- / > 90% recycled aluminium is used in the aluminium heat-sink





## The all-in-one solution in detail

Tried-and-tested features are complemented by smart innovations

### / PV Point

Integrated basic backup power function

### / Energy Management

4 digital I/Os to increase self-consumption

### / Multi Flow Technology

Parallel energy flows, even when using grid backup

### / Dynamic Peak Manager

Maximum yields even in the case of partial shading

### / SuperFlex Design

Enables maximum flexibility in system design

### / Solar.web

System data and potential for optimisation potential visible at all times

### / Open interfaces

Easy integration of third party-systems

### / Active Cooling Technology

Long service life for the inverter

Awarded several times:



reddot award 2019 winner

TECHNICAL DATA	PRIMO GEN24 Plus	SYMO GEN24 Plus	
Single-phase / three-phase	single-phase 230 V	three-phase 230 / 400 V	
Power classes	3 / 3.6 / 4 / 4.6 / 5 / 6 kW	3 / 4 / 5 kW <sup>1</sup>	6 / 8 / 10 kW
MPP-Tracker	2	2	
Protection class	IP 66	IP 66	
Dimensions (height x width x depth)	474 x 530 x 165 mm	474 x 530 x 165 mm	529 x 595 x 180 mm
Weight	15.4 kg	15.6 kg	23.4 kg
DC input voltage range (U <sub>dc min</sub> - U <sub>dc max</sub> )	65 V - 600 V	80 V - 1,000 V	
Compatible battery storage	BYD Battery-Box Premium HVS/HVM <sup>2</sup>		

<sup>1</sup> The Full Backup option is not available with the Symo GEN24 Plus 3/4/5 kW.

<sup>2</sup> Compatibility depending on the inverter types.

## Maximum independence thanks to custom backup power variants

### Full Backup\*

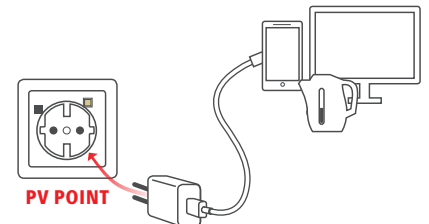
With the **Full Backup option**, the entire household, i.e. 1-phase as well as 3-phase devices, can be supplied with electricity in the event of a power outage.

- / Supplies the entire household (even three-phase loads)
- / Automatic switch to backup power in the event of grid failure
- / Efficient energy flows due to the Multi Flow Technology, even in backup power situations

### PV Point

The **integrated basic backup power function**, the so-called **PV Point**, is a power socket supplied with electricity in the event of a power outage.

- / Automatic activation in case of a grid outage
- / Costly additional installation work is not necessary
- / Supplies households with one-phase loads of up to 3 kW



**i** \*The Full Backup option is available for the Primo GEN24 Plus 3-6 kW and the Symo GEN24 Plus 6-10 kW.

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## Solar.start – the new commissioning app

With the new Solar.start app, you can configure your device in three steps via your smart device (smartphone, tablet):

- / Automatic connection to the devices
- / Simple and quick start-up and product registration
- / Linking to useful platforms (Solar.web/Solar.SOS, etc.)



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## The best service plan on the market

### / Extremely simple installation and servicing

Time and cost savings due to quick-release screws, push-in spring terminals and a sophisticated wall mounting system.

### / Upgrades possible at any time

Open interfaces make it easy to integrate third-party components such as home automation systems.

### / Smart monitoring with Solar.web

Monitor, analyse and compare different PV systems quickly and conveniently on your smartphone, tablet or laptop. Solar.web helps you deliver the best service to your customers.



# GEN24 PLUS AT A GLANCE

Five reasons why the GEN24 Plus all-in-one solution is the right choice for your applications.



## BASIC GRID BACKUP POWER FUNCTION ON BOARD

A free basic grid back-up (PV Point) is integrated in the GEN24 Plus as standard. The Full Backup option offers maximum independence.

## EXTREMELY SIMPLE INSTALLATION, COMMISSIONING AND SERVICE

Quick-release screws, push-in spring terminals and a straightforward wall mounting system make it easy to both install and service the hybrid inverter. The inverter is easy to commission using an app on a smartphone or tablet.

## MAXIMUM SELF-CONSUMPTION AND SELF-SUPPLY

Integrated energy management functions and open interfaces enable a maximum rate of self-consumption and selfsupply for e-mobility and hot water.

## HYBRID INVERTER WITH MULTI FLOW TECHNOLOGY

The integrated Multi Flow Technology not only enables simultaneous energy flows in all directions, but also the AC, DC and AC & DC coupling of the battery storage system. This results in a high self-consumption rate and flexibility in the system.

## COST SAVINGS

A number of integrated features (back-up power, system and energy analysis tool, integrated Dynamic Peak Manager, energy management function, SuperFlex Design, etc.) eliminate unnecessary additional costs.

**i** \* The Full Backup option is available for the Primo GEN24 Plus 3-6 kW and the Symo GEN24 Plus 6-10 kW.

# THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,440 employees worldwide and 1,264 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

## PERFECT WELDING

Our mission is Perfect Welding; a task we have approached with passion and skill for decades in order that our customers can join materials with the perfect weld seam. With our outstanding technologies and services and together with our customer's applications, not only do we solve their specific welding technology problems, but we also make a substantial contribution to increasing their productivity.

## SOLAR ENERGY

Our mission is to achieve 24 hours of sun. Day after day we are hard at work turning this vision of a future in which 100% of the world's energy needs are covered by renewable sources into a reality. We are therefore concentrating on solutions to intelligently, efficiently and economically generate, store, distribute and consume solar energy.

## PERFECT CHARGING

As know-how leaders in the world of battery charging, we deliver exceptional solutions to create the maximum benefit for our customers. For the intralogistics sector, we are committed to energy flow optimisation for electric forklift trucks and are constantly striving for the next innovation. Our powerful charging systems for vehicle workshops guarantee safe and reliable processes.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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