



## SIMPLIFIED DATASHEET FRONIUS PRIMO GEN24 & GEN24 PLUS (5.0, 6.0, 8.0, 10.0)

GENERAL DATA	PRIMO 5.0	PRIMO 6.0	PRIMO 8.0	PRIMO 10.0
Dimensions (height x width x depth)	530 x 474 x 165 mm	530 x 474 x 165 mm	595 x 529 x 180 mm	595 x 529 x 180 mm
Weight (inverter / with packaging)	15.4 / 19 kg	15.4 / 19 kg	21 / 26 kg	21 / 26 kg
Degree of protection	IP 66			
Night-time consumption	<10 W			
Cooling	Active Cooling Technology			
Installation	Indoor and outdoor installation			
Ambient temperature range	-40 to +60°C			
Noise emission	< 42 dB (A)	< 42 dB (A)	< 51 dB (A)	< 51 dB (A)
DC PV connection technology	4 x DC+ and 4 X DC- push-in tension clamp terminals 2.5 - 10mm <sup>2</sup>			
Producing country	Austria			
Compatible batteries	Fronius Reserva, Fronius Reserva Pro, BYD HVM, BYD HVS			
INPUT DATA	PRIMO 5.0	PRIMO 6.0	PRIMO 8.0	PRIMO 10.0
Number of MPP trackers	2			
Max. input current ( $I_{dc,max,MPPT1} / MPPT2$ )	22 A / 12 A	22 A / 12 A	22 A / 22 A	22 A / 22 A
Max. array short circuit current (MPPT1/MPPT2)	33 A / 18 A	33 A / 18 A	41.25 A / 36 A	41.25 A / 36 A
DC input voltage range ( $U_{dc,min} - U_{dc,max}$ )	65 - 600 V			
Nominal input voltage ( $U_{dc,r}$ )	400 V			
Feed-in start voltage ( $U_{dc,start}$ )	80 V			
Usable MPP voltage range	65 V - 530 V	65 V - 480 V	65 V - 480 V	65 V - 480 V
Max. PV generator output ( $P_{dc,max}$ )	7.5kW <sub>peak</sub>	9.0kW <sub>peak</sub>	12.0kW <sub>peak</sub>	15.0kW <sub>peak</sub>
OUTPUT DATA	PRIMO 5.0	PRIMO 6.0	PRIMO 8.0	PRIMO 10.0
AC nominal output ( $P_{ac,r}$ )	5,000 W	6,000 W	8,000 W	10,000 W
Max. output power	5 kW	6 kW	8 kW	10 kW
Max. output current ( $I_{ac,max}$ )	27.50 A	27.50 A	34.80 A	43.5 A
Grid connection (voltage range)	1~NPE 220 V / 230 V (+20 % / -30 %)			
Back-up power	1~NPE 220 V / 230 V			
BATTERY CONNECTION	PRIMO 5.0	PRIMO 6.0	PRIMO 8.0	PRIMO 10.0
Max. input current ( $I_{dc,max}$ )	22 A			
DC input voltage range ( $U_{dc,min} - U_{dc,max}$ )	150 V - 455 V			
Max. input / output power <sup>1)</sup>	5,290 W	6,340 W	8,260 W	10,360 W

<sup>1)</sup> Depending on the connected battery

# PRIMO GEN24 & GEN24 PLUS

The hybrid all-rounder with individual backup power

## Fronius Primo GEN24



Integrated Data Communication



Dynamic Peak Manager



Multi Flow Technology



SuperFlex Design



PV Point basic grid backup



The Fronius Primo GEN24 is the perfect solar inverter for single phase homes. The Austrian-built inverter is leagues ahead of the rest of the market.

- » Dynamic Peak Manager gives a superior ability to adapt to changing conditions and shade while maximising production.
- » The new and improved fan and heat sink is quieter and more efficient at keeping the electronics cool to ensure performance and longevity.
- » Arc Fault Circuit Interruption (AFCI) gives an extra level of security against arcs.
- » PV Point allows for limited daytime backup power without the need for a battery. If a battery is required, the GEN24 can be upgraded with Fronius UP.

## Fronius UP

Fronius UP is a software upgrade that turns the Fronius GEN24 inverter into the Fronius GEN24 Plus.

The GEN24 Plus inverter is then compatible with the BYD Battery, a modular and robust battery solution.



Fronius GEN24 + Fronius UP Software = Fronius GEN24 Plus



Watch Mark's review of the Fronius GEN24: [mce.solar/Primo810](https://mce.solar/Primo810)

## Fronius Primo GEN24 Plus



Integrated Data Communication



Dynamic Peak Manager



Multi Flow Technology



SuperFlex Design



PV Point basic grid backup



Full backup

The Fronius GEN24 Plus and BYD Battery solution can be sized to suit your budget and energy needs.

- » Store excess solar power for night-time usage
- » Reduce your energy costs and earn more from exported battery energy when you join a Virtual Power Plant (VPP)
- » Ensure energy security in case of a blackout



Watch Mark's Fronius and BYD Battery Sizing Guide: [mce.solar/bydfronius](https://mce.solar/bydfronius)