



## Fronius **IG Plus** 30 V

PV inverter with 3 kW nominal output

The Fronius IG Plus inverter family scores high marks for maximum yield security, the highest reliability and versatile application options. Each ray of sunlight is put to optimal use thanks to automatic transformer switching, the unique Fronius MIX™ concept and the Module Manager for fast and exact MPP tracking. The result: Maximum earnings. In any weather. Additional advantages include the innovative ventilation concept and the service-friendly installation system of the Fronius IG Plus.

The newest member of the Fronius IG Plus family is the Fronius IG Plus 30 V. With a nominal output of 3 kW, this inverter is specially suited for new markets, which normally start with small systems. This new power class completes the product portfolio of the successful Fronius IG Plus series. The Fronius IG Plus 30 V provides security – when it comes to both yield and cost-effectiveness.



**POWERING YOUR FUTURE**

## Overview of the Fronius IG Plus 30 V

Naturally, all Fronius IG Plus devices have the **CE** mark and meet all required country-specific guidelines and standards. For more information and certificates as well as details regarding system analysis and control using the Fronius DATCOM system, please go to [www.fronius.com](http://www.fronius.com).

INPUT DATA		Fronius IG Plus 30 V
DC max. power for $\cos \varphi=1$		3170 W
Max. input current ( $I_{dc \max}$ )		13.8 A
Max. input voltage ( $U_{dc \max}$ )		600 V
MPP voltage range ( $U_{mpp \min} - U_{mpp \max}$ )		230 - 500 V
OUTPUT DATA		
AC nominal output ( $P_{ac,r}$ ) for $\cos \varphi=1$		3000 W
Max output power		3000 VA
Max. output current ( $I_{ac \max}$ )		13 A
Max. efficiency		95,7 %
Euro. efficiency ( $\eta_{EU}$ )		94,8 %
MPP adaptation efficiency		> 99,9 %
Grid connection		1~NPE 230 V
Frequency ( $f_i$ )		50 Hz / 60 Hz
Harmonic distortion		< 3 %
Power factor ( $\cos \varphi_{ac,r}$ )		0.85 - 1 ind./cap.
Night consumption		< 1 W
GENERAL DATA		
Dimensions (height x width x depth)		673 x 434 x 250 mm
Weight		23.8 kg
Degree of protection		IP 54
Inverter concept		HF transformer
Cooling		Regulated air cooling
Installation		indoor and outdoor installation
Ambient temperature range		From -20°C to +55°C
Permitted humidity		0 % to 95 %
SAFETY EQUIPMENT		
DC insulation measurement		Warning when $R_{ISO} < 500 \text{ kOhm}$
Overload behavior		Operating point shift, power limiter
DC disconnect		integrated

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