

Maximum earnings.  
In any weather.

## Fronius **IG Plus**

The new generation mains-connected PV inverter

The aim was clear: use every ray of sunshine to maximum effect. The maximum level of efficiency is not necessarily the most critical factor. The intelligent interaction of various other factors is far more important. A constant efficiency rating over a wide input voltage range, for example, and a rapid and precise response to the smallest change in the weather. Plus reliable, uninterrupted operation. The new Fronius IG Plus generation of inverters combines all these factors. With performance classes from 3.5 to 12 kW. For maximum yield in any weather.



POWERING YOUR FUTURE



**Fronius IG Plus 35 /  
Fronius IG Plus 50**

Strong and compact. Both one-phase devices have an output power of 3.5 to 4 kW for photovoltaic systems, e.g. for single-family homes.



**Fronius IG Plus 70 /  
Fronius IG Plus 100**

The two-phase connection ensures a negative phase sequence current under 4 kVA. Output power of 6.5 to 8 kW.



**Fronius IG Plus 120 /  
Fronius IG Plus 150**

Maximum strength. Three phases in a device for mega-systems. Available with a power output of 10 to 12 kW.

INPUT DATA	Fronius IG Plus	35	50	70	100	120	150
DC nominal capacity		3700 W	4200 W	6800 W	8400 W	10500 W	12600 W
MPP voltage range		230 - 500 V	230 - 500 V	230 - 500 V	230 - 500 V	230 - 500 V	230 - 500 V
Max. input voltage (for 1000 W/m <sup>2</sup> , -10°C)		600 V	600 V	600 V	600 V	600 V	600 V
Max. input		16.0 A	18.3 A	29.7 A	36.6 A	45.8 A	54.9 A

OUTPUT DATA							
AC nominal capacity		3500 W	4000 W	6500 W	8000 W	10000 W	12000 W
Max. output		3500 W	4000 W	6500 W	8000 W	10000 W	12000 W
Max. efficiency		96.0 %	96.0 %	96.0 %	96.0 %	96.0 %	96.0 %
Euro efficiency		95.0 %	95.1 %	95.4 %	95.5 %	95.5 %	95.5 %
MPP adaptation efficiency		99.9 %	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %
Main voltage / Frequency		230 V / 50 Hz (60 Hz)					
Power connection		1-phase		2-phase / 1-phase (optional)		3-phase	
Harmonic distortion		< 3.5 %	< 3.5 %	< 3.5 %	< 3.5 %	< 3.5 %	< 3.5 %
Power factor		1	1	1	1	1	1
Power consumption at night		1 W	1 W	1 W	1 W	1 W	1 W

GENERAL DATA							
Measurements (height x width x depth)		631 x 434 x 244 mm		926 x 434 x 244 mm		1221 x 434 x 244 mm	
Connection area weight		11.0 kg		11.0 kg		11.0 kg	
Power module area weight		14.0 kg		26.0 kg		38.0 kg	
Protection class		IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Inverter concept		HF transformer					
Cooling		Regulated cooling					
Housing		Metal housing for inside and outside installation					
Ambient temperature range		From -20°C to +50°C					
Permitted humidity		0% to 95%					

SAFETY EQUIPMENT	
DC insulation measurement	Warning at R <sub>ISO</sub> < 500k Ohm
Overload behavior	Operating point shift, power limiter
DC circuit breaker	integrated

The right to make technical modifications is reserved.



**FRONIUS INTERNATIONAL GMBH**  
4600 Wels, Buxbaumstraße 2  
Austria  
E-Mail: pv@fronius.com  
[www.fronius.com](http://www.fronius.com)

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