



# Fronius **IG** PV Inverter

## Technical data sheet

- + An informative display for monitoring all system functions.
- + Quick and easy installation.
- + Maximum reliability.
- + High Frequency Transformer Technology offers maximum output in minimum space.
- + The intelligent Module Manager process optimizes yields.
- + The MIX™-Concept increases energy yields in the part load area.
- + Fronius DATCOM components offer a reliable and simple visualization and monitoring.



**POWERING YOUR FUTURE**



## OVERVIEW OF THE FRONIUS IG FAMILY

### Fronius IG. The Reliable PV Inverter Series.

The Fronius IG series has proven itself to be powerful, user-friendly and highly reliable in a compact format. Equipped for every size of system, the combination of different types available for selection is limitless. The ingenious processor control combined with the powerful HF transformer extracts the maximum energy yield from all types of modules.

### Fronius IG 60 HV. The Powerhouse.

Higher yield due to work-sharing is achieved by linking the two power circuits using the MIX™-concept, our optimized master-slave system. In the part-load range only one of the two power stage sets operates, while both work together at full-load. The advantages are a noticeable increase in yield with a simultaneous reduction in operating wear.

### Fronius IG Outdoors. The Weatherproof IG.

The Fronius IG Outdoors has been created specially for use in the open air and has been tested to an IP45 degree of protection. This ensures a continuous circulation of air that prevents condensate from collecting. The IG is also protected against the ingress of solid foreign bodies and hose water. It is also reliable and safe to use near the sea due to a special protective coating applied to the printed circuit boards within the inverter.

## TECHNICAL DETAILS.

It goes without saying that every Fronius IG complies with all the obligatory guidelines and standards of each country. More in-depth information and certificates may be viewed at [www.fronius.com](http://www.fronius.com) under "downloads". Of course, all Fronius IG bear the **CE** mark.

TECHNICAL DATA	Fronius IG 15	20	30	40	60 HV
MPP voltage range	150 - 400 V	150 - 400 V	150 - 400 V	150 - 400 V	150 - 400 V
Max. input voltage (at 1000 W/m <sup>2</sup> ; -10°C)	500 V	500 V	500 V	500 V	530 V
PV array output	1300 - 2000 Wp	1800 - 2700 Wp	2500 - 3600 Wp	3500 - 5500 Wp	4600 - 6700 Wp
Nominal output	1300 W	1800 W	2500 W	3500 W	4600 W
Max. power output	1500 W	2000 W	2650 W	4100 W	5000 W
Max. efficiency	94.2 %	94.3 %	94.3 %	94.3 %	94.3 %
Euro efficiency	91.4 %	92.3 %	92.7 %	93.5 %	93.5 %
Mains voltage/frequency	230 V / 50 Hz (60 Hz)				
Size (l x w x h)	366 x 344 x 220 mm (500 x 435 x 225 mm)			610 x 344 x 220 mm (733 x 435 x 225 mm)	
Weight	9 kg (12 kg)			16 kg (20 kg)	
Cooling	controlled forced-air cooling				
Housing variations	designer internal housing; optional outer housing				
Ambient temperature range	-20 ..... 50 °C				



**FRONIUS INTERNATIONAL GMBH**  
 4600 Wels-Thalheim, Günter Fronius Straße 1  
 Austria  
 E-Mail: [PV@fronius.com](mailto:PV@fronius.com)  
[www.fronius.com](http://www.fronius.com)