



CONERGY

Inverter | Technical Data

## Fronius IG 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. The Powerhouse

Higher yield due to work-sharing is achieved by linking the two power circuits using the MIX™ concept, an optimised 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.

### 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 reliable and safe to use near the sea due to a special protective coating applied to the printed circuit boards within the inverter.



### Features

- | 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's™ process optimises yields
- | The MIX™ Concept increases energy yields in the part load area
- | Fronius IG DatCom components offer a reliable and simple visualisation and monitoring

### Technical Data

|   | IG 15   | IG 20          | IG 30              | IG 40          | IG 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                                     |                |                    |                |                |
| Dimensions, Indoor Model (L x W x H)                  | 366 x 344 x 220 mm                                |                | 610 x 344 x 220 mm |                |                |
| Dimensions, Outdoor Model (L x W x H)                 | 500 x 435 x 225 mm                                |                | 733 x 435 x 225 mm |                |                |
| Weight (Indoor/Outdoor)                               | 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 to 50 °C                                      |                |                    |                |                |

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