

Fronius IG 40 / 60 HV



Zoom

The Powerhouse

Higher yield due to work-sharing is achieved by linking the two power circuits using the MX™ concept, our 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 with a simultaneous reduction in operating hours.

As the input voltage range of the Fronius IG 60 has been expanded from the former 500 V to 530 V, longer module strings can be connected. Due to this improvement, the product name changed from "Fronius IG 60" to "Fronius IG 60 HV". "HV" stands for "High Voltage".

Technical Data

Fronius IG	40	60 HV
Input Data		
MPP voltage range	150 - 400 V	150 - 400 V
Max. input voltage (at 1000 W/m²; - 10° C)	500 V	530 V
PV system output	3500 - 5500 Wp	4600 - 6700 Wp
Max. input current	29,4 A	35,8 A
Output Data		
Nominal output	3500 W	4600 W *)
Max. power output	4100 W	5000 W
Max. efficiency	94,3 %	94,3 %
Euro efficiency	93,5 %	93,5 %
Mains voltage /frequency	230 V / 50 Hz (60 Hz)	
Distortion factor	< 3,5 %	
Power factor	1	
Power consumption at night	0 W	
General Data		
Size l x w x h	610 x 344 x 220 mm (733 x 435 x 225 mm)	
Weight	16 kg (20 kg)	
Cooling	controlled forced-air cooling	
Protection class (housing)	IP 21 (IP 45)	
Ambient temperature range	- 20 ... 50° C	
Permissible humidity	0 ... 95 %	
Protective Devices		
DC insulation measurement	warning when Riso < 500 k Ohm	
Polarity reversal protection	built-in	
Behaviour on DC overload	displacement of operating point	