

Technical Data

INPUT DATA	Fronius IG 300	Fronius IG 400	Fronius IG 500
MPP voltage range	210 - 420 V	210 - 420 V	210 - 420 V
Max. input voltage	530 V	530 V	530 V
Recommended PV plant output	24 - 31 kWp	32 - 42 kWp	40 - 52 kWp
Max. input current	123 A	164 A	205 A
OUTPUT DATA			
Nominal output	24 kW	32 kW	40 kW
Max. power output	24 kW	32 kW	40 kW
Max. efficiency	94.3 %	94.3 %	94.3 %
Euro efficiency	93.3 %	93.4 %	93.5 %
Mains voltage / frequency	3NPE~400 V / 50 Hz		
Distortion factor	< 5 %		
Power factor	1		
Power consumption at night	9 W		
GENERAL DATA			
Size (l x w x h) IP 20 incl. socket (200 mm) up to top edge of exhaust pipe	600 x 600 x 2557 mm		
Size (l x w x h) IP 43 incl. socket (200 mm)	1112.5 x 600 x 2444.5 mm		
Weight	225 kg	245 kg	265 kg
Cooling	controlled forced-air cooling		
Protection class (housing)	IP 20 (IP 43)		
Ambient temperature range	-20°C to +50°C		
Permissible humidity	0 to 95 %		
PROTECTIVE DEVICES			
DC insulation measurement	warning when Riso < 500k Ohm		
Behaviour on DC overload	displacement of operating point		