



# FRONIUS IG

## GRID-TIED INVERTERS FOR PHOTOVOLTAIC SYSTEMS

- Light Weight** At 26 lbs, the FRONIUS IG inverters are the lightest grid-connected inverters making them easy-to-install.
- Flexible** The wide voltage range of 150-500 V allows you to use different types of modules and system configuration possibilities.
- Lower Cost** Integrated DC / AC disconnects reduce installation time and complexity.
- LCD Display** User-friendly and comes standard with every FRONIUS IG; tracks more than 20 critical system performance parameters.
- Plug-and-Play** Expansion slots in the inverter allow you to easily upgrade the inverter with data communication options.
- Reliable** Fronius has been in business for over 60 years and has more than 125,000 inverters installed worldwide.



POWERING YOUR FUTURE

# FRONIUS IG

## FRONIUS IG 2000 / 3000 / 2500-LV - Specifications

<b>DC Input Data</b>	<b>FRONIUS IG 2000</b>	<b>FRONIUS IG 3000</b>	<b>FRONIUS IG 2500-LV</b>
Recommended PV power	1500 – 2500 Wp	2500 – 3300 Wp	1800 – 3000 Wp
Max. DC input voltage	500 V	500 V	500 V
Operating DC voltage range	150 – 450 V	150 – 450 V	150 – 450 V
Max. usable DC input current	13.6 A	18 A	16.9 A
<b>AC Output Data</b>	<b>FRONIUS IG 2000</b>	<b>FRONIUS IG 3000</b>	<b>FRONIUS IG 2500-LV</b>
Maximum output power @40° C	2000 W	2700 W	2350 W
Nominal AC output voltage	240 V	240 V	208 V
Utility AC voltage range	212 – 264 V (240 V +10% / -12%)		183 - 227 V
Nominal AC current	7.5 A	10.4 A	10.4 A
Maximum AC current	8.35 A	11.25 A	11.25 A
Maximum utility back feed current	0 A	0 A	0 A
Operating frequency range	59.3 – 60.5 Hz (60 Hz nom)		
Total Harmonic Distortion THD	< 5%		
Power Factor	1		
<b>General Data</b>	<b>FRONIUS IG 2000</b>	<b>FRONIUS IG 3000</b>	<b>FRONIUS IG 2500-LV</b>
Max. efficiency	95.2%	95.2%	94.4%
Power Consumption in stand-by	< 0.15 W (night)		
Power Consumption during operation	7 W		
Enclosure	NEMA 3R		
Size (l x w x h)	18.5 x 16.5 x 8.8 inches (470 x 418 x 223 mm)		
Weight	26 lbs. (11.8 kg)		
Ambient temperature range	-5 to 122 °F (-20 to +50 °C)		
Cooling	controlled forced ventilaton		
Integrated AC and DC disconnects	standard		
<b>Protections</b>	<b>FRONIUS IG 2000</b>	<b>FRONIUS IG 3000</b>	<b>FRONIUS IG 2500-LV</b>
Ground fault protection	Internal GFDI; in accordance with UL 1741		
DC reverse polarity protection	Internal diode		
Islanding protection	Internal; in accordance with UL 1741		
Over temperature	Output power de-rating		
Surge protection	Internal DC & AC protection, Tested to 6 kV		
<b>Compliance</b>			
Safety	UL 1741		
EMI	FCC Part 15; Class A & B		
Anti-Islanding protection	UL 1741		
Ground fault detector and interrupter	Compliant with NEC Art. 690 requirements, UL 1741		
<b>Miscellaneous</b>			
Maximum AC over current protection	Two-pole, 15 A circuit breaker		
AC wire sizing	Use maximum AWG 6 194°F (90 °C) copper wire		
DC wire sizing	Use maximum AWG 8 194°F (90 °C) copper wire		
AC disconnect	32 A		
DC disconnect	40 A		
Warranty	5 Years; 10 Year extended warranty		

Distributed by



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