



# 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 and cost effective 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 UL approved DC & AC disconnects which reduce installation time and complexity - often eliminating the need for additional disconnects.
- 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 200,000 FRONIUS IG inverters installed worldwide.
- Warranty** 10 year Premium Warranty.



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		
Utility AC voltage range	212 – 264 V (240 V +10% / -12%)		183 - 227 V
Maximum AC current	8.35 A	11.25 A	11.25 A
Maximum utility back feed current	0.0 A	0.0 A	0.0 A
Operating frequency range	59.3 – 60.5 Hz (60 Hz nom)		
Total Harmonic Distortion THD	< 5%		
Power Factor (cos phi)	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%
Consumption in stand-by	< 0.15 W (night)		
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 UL approved DC & AC disconnects		
<b>Protections</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, IEEE 1547		
Over temperature	Output power derating		
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, IEEE 1547		
Ground fault detector and interrupter	Compliant with NEC Art. 690 requirements, UL 1741		
<b>Miscellaneous</b>			
Maximum AC over current protection	Two-pole, 15 / 20 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	16 A		
DC disconnect	25 A		
Warranty	10 year Premium Warranty is Standard		

Distributed by



**Fronius USA LLC**  
**Solar Electronic Division**  
 10421 Citation Drive  
 Suite 1100 Brighton, Mi 48116  
 Phone: 810-220-4414  
 Fax: 810-220-4424  
 E-Mail: pv-us@fronius.com  
[www.fronius-usa.com](http://www.fronius-usa.com)