



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 150-450 V allows you to use different types of modules and system configuration possibilities.
- Lower Cost** Integrated DC / AC breakers reduce installation time and complexity.
- LCD Display** Comes standard with every FRONIUS IG and 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.
- Experienced** Fronius has been in business for over 50 years and has more than 70,000 inverters installed worldwide.



POWERING YOUR FUTURE

Specifications

DC Input Data	IG 2000	IG 3000	IG 2500-LV
Recommended PV power	1500 – 2500 Wp	2500 – 3500 Wp	1800 – 3000 Wp
Operating DC voltage range	150 – 450 V	150 – 450 V	150 – 450 V
Nominal input current	7.2 A	10 A	8.6 A
Max. DC input voltage	450 V	450 V	450 V
Max. DC input current	13.6 A	18 A	16.9 A
AC Output Data	IG 2000	IG 3000	IG 2500-LV
Nominal output power	1800 W	2500 W	2150 W
Maximum output power	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%)		196 - 218 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		
General Data	IG 2000	IG 3000	IG 2500-LV
Peak efficiency	94.4%	94.4%	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 16.46 x 8.78 inches (470 x 418 x 223 mm)		
Weight	26 lbs. (11.5 kg)		
Ambient temperature range	-4 - 122 °F (-20 to +50 °C)		
Cooling	controlled forced ventilator		
Integrated AC and DC disconnects	standard		
Protections	IG 2000	IG 3000	IG 2500-LV
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		
Certifications and Compliance	UL 1741, IEEE 929, ISO 9001:2000, FCC regulations		
Ground fault detector and interrupter	Compliant with NEC Art. 690 requirements, UL 1741		
Maximum AC over current protection	Two-pole circuit breaker 15 A		
AC wire sizing	Use minimum AWG 14 194°F (90 °C) copper wire		
Warranty	5 years		

Distributed by



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