

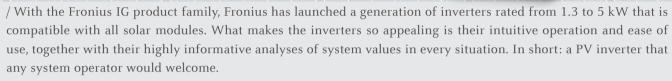
FRONIUS IG

/ The dependable PV string inverter range.



interface

/ PC board replacement process



*The term Wi-Fi® is a registered trademark of the Wi-Fi Alliance.

switchover

TECHNICAL DATA: FRONIUS IG

MIX technology

INPUT DATA	IG 2000	IG 3000	IG 2500 LV	IG 4000	IG 5100	IG 4500 LV		
Recommended PV power	1.5 - 2.4 kWp	2.1 - 3.3 kWp	1.8 - 2.7 kWp	3.0 - 4.8 kWp	4.1 - 6.1 kWp	3.5 - 5.3 kWp		
DC Start Up Voltage		170 V						
Max. input voltage range		500 V						
Max. useable input current	13.6 A	18.0 A	16.9 A	26.1 A	33.2 A	29.3 A		
Max. input voltage (U _{dc max})		500 V						
MPP voltage range		150 V – 450 V						
Number of DC inputs		3						

OUTPUT DATA		IG 2000	IG 3000	IG 2500 LV	IG 4000	IG 5100	IG 4500 LV
Max. output power	208 V	NA	NA	2350 W	NA	NA	4500 W
	240 V	2000 W	2700 W	NA	4000 W	5100 W	NA
	277 V	NA	NA	NA	NA	NA	NA
Max. output current (I _{ac max})		6.5 A	8.7 A	11.5 A	17.8 A	21.7 A	
Grid connection (U _{ac,r})		1-NPE 230 V					
Max. output voltage		270 V					
Output frequency		60 Hz					
Operating frequency range		$59.3~\mathrm{Hz} - 60.5~\mathrm{Hz}$					
Total harmonic distortion (THD)		< 5 %					
Power factor (at nominal output power)		1					

GENERAL DATA	IG 2000	IG 3000	IG 2500 LV	IG 4000	IG 5100	IG 4500 LV		
Dimensions (W x H x D)		16.5 x 18.5 x 8.7			16.5 x 28.3 x 8.7			
Weight		26 lb. 41.			41.8 lb.			
Degree of protection	IP 21 / IP 45 ¹⁾							
Protection class	1							
Overvoltage category (DC / AC)	2/3							
Night-time consumption	< 1 W							
Inverter concept	HF transformer							
Cooling	Controlled forced ventilation, variable speed fan							
Installation	Indoor and outdoor installation ¹⁾							
Ambient temperature range	from -5°F - +122°F(-20°C - +50°C)							
DC reverse polarity protection	Internal diode							
Certificates and compliance with standards	UL 1741-2005, IEEE 1547-2003, IEE 1547.1, ANSI/IEE C62.41, FCC Part 15 B, NEC Article 690, C22.2 No. 107.1-01(September 2001). California Solar Initiative Program Handbook Appendix C. Inverter Integral 5% Meter Performance Specification							

Fronius USA LLC 6797 Fronius Drive Portage, IN 46368 USA

pv-support-usa@fronius.com www.fronius-usa.com / Perfect Welding / Solar Energy / Perfect Charging

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