

IGSI-1500S, 2000S, 3000S, 4000S



InfluxGreen 1.5kW to 4kW family of grid-tied photovoltaic inverters are suitable for use in both residential and light industrial applications.

The design utilizes conversion process with minimal losses and maximum reliability.

The objective is to provide a cost effective and reliable grid-in feed system with maximum energy harvesting capabilities.

#### Features

- Transformerless design
- High reliability
- European efficiency up to 97%
- MPPT efficiency >99%
- Islanding detection method: active frequency drift detection
- IP65 rated for outdoor applications
- Embedded GFCI (Ground Fault Circuit Interrupter)
- RS232 / Ethernet Communication with History Data Log

Model	IGSI-1500S	IGSI-2000S	IGSI-3000S	IGSI-4000S
<b>DC-Input Parameters</b>				
Max. Input Power (W)	1800	2400	3600	4300
Max. Input Voltage (Vdc)	600			
MPPT Operating Range (Vdc)	150 to 550			
Max. Input Current (A)	8.5	11.3	17	20.7
Rated Input Voltage (Vdc)	360	360	360	360
Rated Input Current (A)	4.3	5.7	8.6	10.5
Numbers of Input	2			
MPPT Channel	1			
<b>AC-Output Parameters</b>				
Max. Output Power (W)	1650	2200	3300	4000
Rated Output Power (W)	1500	2000	3000	3650
Output Voltage Range (Vac)	207 to 262	207 to 262	207 to 262	207 to 262
Max. Output Current (A)	8.3	11	16.5	20.1
Rated Output Voltage (Vdc)	230	230	230	230
Rated Output Current (A)	6.5	8.7	13	15.9
Output Frequency Range (Hz)	50/60 ± 1% (user-settable)			
Power Factor	1			
Current Harmonic Distortion (THDi)	< 2%			
Max. Efficiency	97.20%	97.30%	97.50%	97.30%
European Efficiency	96%	96.20%	97%	96.70%
<b>Environment Parameters</b>				
Protective Level	IP65			
Working Temperature Range (°C)	-20 to +60			
Humidity	0 to 95%, non-condensing			
Altitude(m)	2000			
Ventilation	Natural cooling			
Consumption During Night Time (W)	< 0.2			
Noise( dB)	< 40			
<b>Communication</b>				
LCD	4 lines character display, controls are manipulated through the buttons			
Communication Interface	RS232 & RS485			
<b>Mechanical Parameters</b>				
Dimensions (W×D×H) mm	353 x 182 x 605			
Weight (kg)	22	22	26	28
<b>Others</b>				
Certifications	IEC 62109, VDE 0126-1-1, AS 4777.1, AS 4777.2, AS 4777.3, AS 3100 EN-61000-6-1, EN-61000-6-2, EN-61000-6-3, EN-61000-6-4			