IGSI-1500SJ, 2000SJ, 3000SJ

IGSI "J" series of 1.5kW to 3.0kW 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, reliable and efficient grid-in feed system with maximum energy harvesting capabilities.

Features

- Transformerless design
- Compact and high power density
- European efficiency up >95%
- MPPT efficiency >99%
- High overload capability
- IP65 rated for outdoor applications
- Integrated RS232 / 485 Serial Communication
- True Sine Wave Output

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Model	IGSI-1500SJ	IGSI-2000SJ	IGSI-3000SJ
DC-Input Parameters			
Max. Input Power (W)	1750	2300	3660
Max. Input Voltage (Vdc)	450	500	
MPPT Operating Range (Vdc)	100 to 450		
Max. Input Current (A)	9	10	20
Numbers of Input	1		2
MPPT Channel	1		
AC-Output Parameters			
Max. Output Power (W)	1650	2200	3400
Rated Output Power (W)	1500	2000	3000
Output Voltage Range (Vac)*	190 to 265	190 to 265	190 to 265
Max. Output Current (A)	7.9	10.5	15.7
Rated Output Voltage (Vdc)	230	230	230
Rated Output Current (A)	6.5	8.7	13
Output Frequency Range (Hz)*	50 ± 5		
Power Factor	> 0.99		
Current Harmonic Distortion (THDi)	< 3%		
Max. Efficiency	> 96%	> 96%	> 96.5%
European Efficiency	> 95%	> 95%	> 95.4%
Environment Parameters			
Protective Level	IP65		
Working Temperature Range (^{o}C)	-25 to +60		
Humidity	0 to 95%, non-condensing		
Ventilation	Natural cooling		
Consumption During Night Time (W)	0		
Noise(dB) - typical	<= 25		
Communication			
LCD	4 lines character display, controls are manipulated through the buttons		
Communication Interface	RS232 (RS485 is optional)		
Mechanical Parameters			
Dimensions (W×D×H) mm	345 x 162 x 354		345 x 162 x 384
Weight (kg)	12	15	17
Others			
Certifications	VDE0126-1-1, DK5940, AS4777, IEC 62109-1, IEC62109-2, EN50178, EN61000, G83/1, CE certification.		

* Output AC voltage and frequency range will be dependent on the local requirements