

Grid-tied Solar Inverter

ISG10-6000/1-I

- ✓ 6000W / Single Phase / IP65
- ✓ Topology: **Transformerless**
- ✓ Designed for mono- and poly-crystalline PV modules which do not need grounding on output terminals
- ✓ Natural ventilation using heat sink
- ✓ Built-in RCMU for leakage current detection
- ✓ Complies with DK5940 grid standard



Ordering Code

134835

Electrical Data

DC Side	AC Side
Max. DC Input Power	Nominal AC Output Power
6500 W	6000 W
Max. DC Input Voltage	Max. AC Output Power
550 VDC	6000 W
Nominal DC Voltage	Nominal AC current
360 VDC	26A
MPPT Working Voltage Range	Maximum AC current
150-500 VDC	28.6A
Working Voltage Range	Max. DC Current Component
130-500 VDC	130 mA
Min. Shutdown Voltage	AC Working Voltage Range
100 VDC	184-276 VAC (reg. range 190-260 VAC)
Initial Feed-in Voltage	Frequency
180 VDC	50 Hz
Max. DC Input Current	AC Current Distortion (THDI)
27,5 ADC	< 3%
Number of MPPT	Power Factor
1	≈ 1
Number of DC Input Pairs	Grid Connection
3	Single Phase
System	Compliance
	EMC:
Max. Efficiency	2004-108-EC
> 97%	EN 61000-6-2 (2005)
European Efficiency	EN 61000-6-3 (2007)
> 95%	
Power Consumption in Standby Mode	Grid Monitoring
< 8 W	Independent disconnection device (MSD, Mains monitoring with allocated Switching Devices)
Power Consumption in OFF mode	Complies to ENEL DK5940
0 W	
Over-voltage Protection	Safety Regulation
YES	DIN EN50178 (4.98) (VDE0160) (IEC62103)
Protection Degree of Enclosure	
IP65	
Working Temperature Range	
-20°C ÷ +55°C	
Humidity (Non-Condensing)	
0-95%	
Communication Interface	
RS232 (RS485 optional)	
Display LCD	
LCD / 1 line, 16 characters	

General Data

Weight, Dimension and Noise	System Connection
Weight	DC Side:
34,5 kg	3 Pairs
Acoustic Noise Level	MC4 Compatible
< 35 dBA	
Color	AC Side:
Silver and Black	Multibranded 6-8 mm ²
	Solidcore 6-8 mm ²
	Example of Connection
	We recommend string protection