Quality Energy Provider

SUN GT SERIES

Outdoor Grid PV Inverter

2800/6000/10000W

- TRANSFORMERLESS DESIGN
- LEAD-FREE, MEET ROHS
- CONVERSION EFFICIENCY UP TO 97%
- >99,5% MPPT EFFICIENCY
- PLUG & PLAY
- 1 TO 3 MPP-TRACKER
- SINGLE-PHASE TO 3-PHASE
- COMPACT DESIGN
- FANLESS (UP TO 6000W)
- POWERFUL COMMUNICATION INTERFACE
- LCD DISPLAY
- EASY OPERATION
- WITH INTERNAL GFCI
- IP65, OUTDOOR
- INTEGRATED DATA LOGGER LITE (10000W)
- ENS MEET VDE 0126-1-1 (GERMAN STANDARD) OR DK5940 (ITALIAN STANDARD)

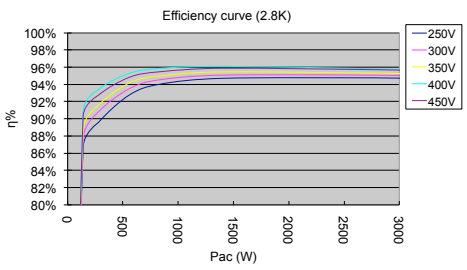
SUN GT SERIES

TECHNICAL SPECIFICATIONS			
MODEL	2800	6000	10000
DC INPUT			
Nominal DC Voltage	400 VDC	380 VDC	640 VDC
Max. DC Voltage	500 VDC	550 VDC	800 VDC
MPPT Range	150÷450 VDC	150÷500 VDC	245÷720 VDC
Working Range	100÷500 VDC	130÷550 VDC	200÷800 VDC
Working Range at full load	250÷450 VDC	230÷500 VDC	320÷720 VDC
Max. DC Power / Tracker	3125 W	6248 W	5500 W
Max. Input Current / Tracker	13 ADC	27.5 ADC	13 ADC
MPP Tracker	1	1	3
AC OUTPUT			
Nominal Output Power	2800W	6000W	10000W
Max. Output Power for 10 min	3000W	6000W	11000W
Operating Voltage	190÷256 VAC (for VDE0126-1-1) 190÷260 VAC (for DK5940)	192÷256 VAC (for VDE0126-1-1) 190÷260 VAC (for DK5940)	400 VAC 3ph -15% +10%
Operating Frequency	50/60Hz	50/60Hz	50/60Hz
Current THD%	< 3%	< 3%	< 3%
Power Factor	< 0,99	< 0,99	< 0,99
SYSTEM			
Max. Efficiency	>96%	>97%	>96.5%
Euro Efficiency	>95%	>95%	>95%
Protection Degree	IP65	IP65	IP65 (FANS IP55)
Operating Temp. Range	-20°C÷+55°C	-20°C÷+55°C	-20°C÷+55°C
Operating Temp. Range at full load	-20°C÷+40°C	-20°C÷+40°C	-20°C÷+40°C
Humidity	0÷95%, n.c.	0÷95%, n.c.	0÷95%, n.c.
Stand-by Consumption	7W (night < 0,1W)	8W (night < 0,1W)	30W (night < 3,5W)
Acoustic Noise Level	< 30 dBA	< 30 dBA	< 50 dBA
Common Interface	Standard RS232, ModBus and RS485		
Display	LCD: 1L/16Ch	LCD: 1L/16Ch	LCD: 128x64
EN Standards Certif.	VDE 0126-1-1 or DK 5940		
MECHANICAL DATA			
W x D x H (mm)	365.9x387.5x122.8	429.8x155x531.2	444x155.2x584.6
Weight (Kg)	14	31.5	37

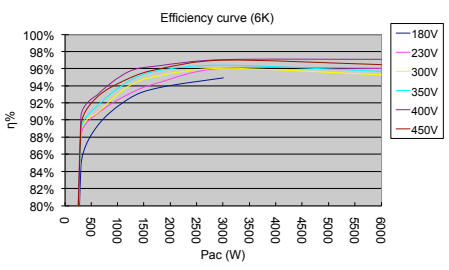
*** The Product's Specifications are subjsct to change without notice**

Efficiency Graph:

• 2800



• 6000



• 10000