

# SIEMENS



## Advantages at a glance

- Metal housing in IP 65 for outdoor use
- A wide MPP voltage window allows the system to be optimally adapted to the solar generator
- Different string lengths and solar generator alignment to the sun in one system can be easily implemented using the 2 integrated MPP trackers
- Unity power factor – transformerless technology stands for high profitability
- “Electronic meter” display to visualize the instantaneous feed-in power
- Serial RS232 port for connection to a PC or modem
- Integrated data logger with 28-day memory, can be read out day or night via PC or modem
- Versatile data evaluation using SITOP log PC visualization software
- Solar radiation and module temperature sensors can be connected

## Europe ENS

- Simple national setting of line supply monitoring (ENS)
- Selection made on the display during start-up
- Setting the country automatically sets the language
- Currently available for Germany, Austria, Switzerland, Italy and Spain

## Photovoltaic inverter for outdoor use. SITOP solar 4600 IP65



The 4.6 kW inverter in rugged metal housing has been specially optimized for outdoor use. Thanks to its transformerless design, the compact device is lightweight and easy to install. Two independent MPP trackers with a wide voltage range enable flexible connection of all commercially available solar generators and provide high profitability.

SITOP solar

Electrical engineering from A to Z

## Technical data SITOP solar

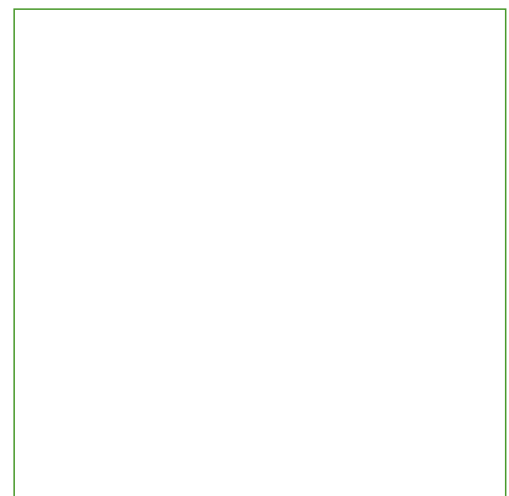


Type designation	SITOP solar 4600 IP 65
Continuous rated output (AC)	4600 VA
Max. output (AC)	5000 VA
Recommended maximum generator power (STC)	6000 Wp
MPP range (DC)	200 – 630 V
Max. no-load DC voltage of the solar generator (DC)	675 V
Max. feed-in current (DC)	2 x 10 A
Own use or feed-in power from	13 W
Night usage	< 1 W
Distortion factor	< 5 %
Type of line supply feed	Single-phase self-commutated
ENS and FI	Yes
cos phi of the current fed in	Approx. 1
Max. efficiency	94.5 %
European efficiency	93.5 %
Permissible ambient temperature	- 15... +50 °C
Relative air humidity	< 95 %
HxWxD in mm	442 x 355 x 250
Degree of protection of the housing	IP 65
Weight	26 kg
Noise level	< 35 dbA
Standards fulfilled / standard documents	DIN VDE 0126; EN 50081-1; EN 61000-6-2; EN 61000-3-2; EN 50178; EN 61000-3-3

## Efficiency



Recommended by:



Simply experiment with our free-of-charge design tools under: [www.siemens.com/sitop/solar](http://www.siemens.com/sitop/solar)

*The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.*

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