

SIEMENS



Advantages at a glance

- Transformerless family of modular inverters
- Especially simple system solutions using a modular master-slave concept
- 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 integrated MPP tracker
- Unity power factor – transformerless technology stands for high profitability with the lowest weight
- Integrated display to locally visualize all of the essential parameters
- "Electronic meter" display to visualize the instantaneous feed-in power
- Serial RS 232 port to connect 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 network monitoring (ENS)

Plan for a solar future - the modular SITOP solar 1500 inverter

When planning a photovoltaic system, a good solution is worth its weight in gold. This is because no matter what size your solar panels will eventually be, SITOP solar can be expanded by between one and two slave devices thanks to its modular design. SITOP solar for indoor applications - a master when it comes to flexibility and profitability with a high return and the highest possible reliability.



SITOP solar

Electrical engineering from A to Z

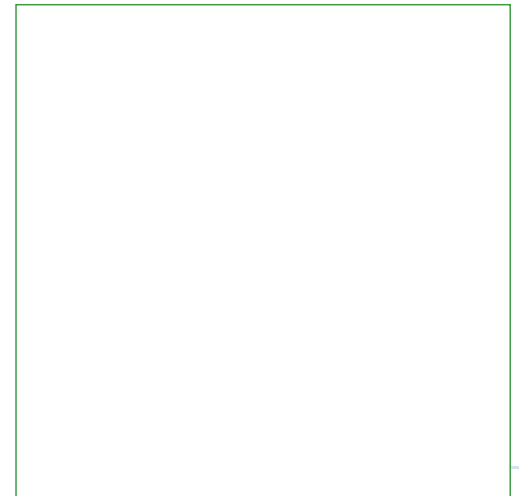
Technical data SITOP solar

Type designation	SITOP solar 1500 Master	SITOP solar 1500 Slave
Rated output (AC)	1500 VA	1500 VA
Maximum output (AC)	1650 VA	1650 VA
Recommended maximum generator power (STC)	1800 Wp	1800 Wp
MPP range (DC)	200 – 630 V	200 – 630 V
Max. no-load DC voltage of the solar generator DC	675 V	675 V
Max. feed in current (DC)	8 A	8 A
Own use or feed-in power from	< 7.5 W	4 W
Night usage	< 1 W	0 W
Distortion factor	< 5 %	< 5 %
Type of line supply feed	Single-phase self-commutated	not applicable
ENS and FI	yes	not applicable
cos phi of the current fed in	approx. 1	approx. 1
max. efficiency	94 %	95 %
European efficiency	92,7 %	93,7 %
Permissible ambient temperature	- 10 ... 50 °C	- 10 ... 50 °C
Relative air humidity	< 95 %	< 95 %
HxWxD in mm	430 x 175 x 135	430 x 175 x 135
Degree of protection of the housing	IP 21	IP 21
Weight	5.7 kg	5 kg
Noise level	< 35 dbA	< 35 dbA
Declaration of conformity	Yes	Yes

Efficiency



Recommended by:



Simply experiment with our free-of-charge design tools under www.siemens.com/sitop/solar

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of 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.

www.siemens.com/sitop/solar
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Subject to change without prior notice, Release 06/04

Order No. E80001-A2090-P310-X-7600
Printed in Germany
Dispo 06305
21D6867 MK.SE.ST.SITP.52.4.27 SB 06041.