SUNSET
SUNstring®-02 3000/4000/5000

The SUNstring® 3000/4000/5000-02 inverter sets high standards for grid-connected PV inverters.

Due to the high efficiency of more than 96% the utilization of our SUNstring®-02 inverters ensure above average annual yields, especially when implemented in medium sized system.

The SUNstring®-02 inverter is equipped with a night time shut down feature. The inverter has no standby losses.

Since the regulation based safety and control functions required for the operation are already integrated, the installation effort could be reduced to a great extent.

SUNstring®-02 at a glance

- Degree of efficiency up to 96%
- Optimized MPP tracking for higher yield
- Wide range of input voltages for flexible installation planning
- Galvanically isolated
- Optimally suited for thin-film modules

The world's future energy ®

by SUNSET SOLAR

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Technical data

Electrical data	3000	4000	5000
Input variables			
MPP-range		200 ... 510 V	
No-load voltage		600 V (600 V_{OC} / 550 V_{OC})	
Max. input current	16.0 A	21.5 A	26.5 A
Number of strings		3	
Number of MPP trackers		1	
Inverse polarity protection		short-circuit diode	
Output variables			
Rated output* *max. 1 hour with ambient temperature	3000 VA	4000 VA	4600 VA (International: 5000 VA)
Grid voltage		184 V ... 264 V	
Rated current	13.0 A	17.4 A	20.0 A
Rated frequency		50 Hz	
cos phi		0,80 inductive ... 0,80 capacitive	
Number of grid phases		1	
General electrical data			
Max. efficiency.	96.0 %	95.9 %	95.9 %
European efficiency	95.4 %	95.3 %	95.3 %
Night consumption		0.4 W	
Switching plan		self-commutated, galvanically isolated, HF transformer	
Grid monitoring		acc. to local requirements	
Mechanical data			
Display		LCD 2 x 16 characters, LED	
Control units		2 buttons for display control	
Interfaces		RS232/RS485, S0	
Ambient temperature		0°C (-20°C)... +60°C	
Cooling		free convection	
Protection class		IP 21 (IP54 optional) according EN 60529	
Casing		Aluminium	
Dimensions H x W x D		555 x 352 x 235 mm	
Weight	25 kg	26 kg	26 kg

Partner:

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Specifications subject to technical changes.