



### Efficient

- Maximum efficiency 98 %
- Flexible tracking with two MPP trackers

### Reliable

- Integrated DC switch
- Three phase grid connection
- Reliability and long life ensured by film capacitors

### Flexible

- DC input voltage up to 1,000 V
- Reactive power supply
- For indoor and outdoor installation

### Communicative

- RS232 / RS485 interfaces as standard

## SOLARTEC D 6000 / 8000

The photovoltaic grid-connected inverter series of Solartec D 6 - 8 kW are applicable to all types of commercial rooftop projects or grid-connected power plant systems. The nominal output powers of this series are 6 kW and 8 kW respectively.

This series of inverters has 2 string MPP trackers and three level technology. These features ensure the high utilization rate of grid and maximize the system efficiency. The new technology of this series supports the adjustable power factor and grid monitoring, complies to German BDEW medium voltage guidelines and reaches European and Australian certification standards .

# >> Specifications

	Solartec D 6000	Solartec D 8000
<b>Input Data</b>		
Max. DC Power	6350 W	8250 W
Max. DC Voltage	1000 V	1000 V
System Start-up Voltage	250 V	250 V
Full Load Voltage Range MPPT	250 V - 800 V	250 V - 800 V
Max. Input Current	2 × 16A	2 × 16A
Nominal DC Voltage	650 V	650 V
Number of MPP Trackers	2	2
Strings of each MPPT	A : 1, B : 1	A : 1, B : 1
<b>Output Data</b>		
Nominal AC Output	6000 W	8000 W
THD of AC Current	< 3.0 %	< 3.0 %
Nominal Grid Voltage Range	230 V - 400 V (3/N/PE)	230 V - 400 V (3/N/PE)
Nominal Grid Frequency	50 Hz	50 Hz
Adjustable Displacement Factor	0.9 overexcited...0.9 Underexcited	0.9 overexcited...0.9 Underexcited
Max. Output Current	10 A	13 A
<b>Efficiency</b>		
Max. Efficiency	98.0 %	98.0 %
Euro Efficiency	97.3%	97.3%
<b>Mechanical Data</b>		
Dimensions (W / H / D) in mm	500 / 530 / 238	500 / 530 / 238
Weight	35 kg	35 kg
<b>General Data</b>		
Ambient Temperature	- 25°C ... +60°C	- 25°C ... +60°C
Working Altitude	< 2000 m	< 2000 m
Noise Development	< 40 dB	< 40 dB
Power Consumption Night	< 1 W	< 1 W
Topological Structure	Transformerless	Transformerless
Cooling	Free Convection	Free Convection
IP Degree of Protection	IP65	IP65
DC Switch	Integrated	Integrated
<b>Display and Communication</b>		
Display	LCD	LCD
Standard Interfaces	RS485 / RS232	RS485 / RS232
Standard Warranty	7 years	7 years
<b>Certificates</b>		
	CE / VDE 4105 / AS	CE / VDE 4105 / AS