

## Solartec D 3000/4000/5000



	Solartec D 3000	Solartec D 4000	Solartec D 5000
<b>Input Data</b>			
Max. DC Power	3200 W	4300 W	5200 W
Max. DC Voltage	580 V	580 V	580 V
System Start-up Voltage	150 V	150 V	150 V
Full Load Voltage Range MPPT	200 V - 480 V	200 V - 480 V	200 V - 480 V
Shutdown Voltage	70 V	70 V	70 V
Max. Input Current	10 A / 10A	15 A / 15 A	15 A / 15 A
DC Voltage Ripple	< 5.0 %	< 5.0 %	< 5.0 %
Number of MPP Trackers/ Strings Per MPP Trackers	2 / 1	2 / 2	2 / 2
<b>Output Data</b>			
Nominal AC Output	3000 W	4000 W	4900 W
Max. AC Power	3200 W	4200 W	5000 W
Max. Output Current	16 A	21 A	25 A
THD of AC Current	< 3.0 %	< 3.0 %	< 3.0 %
Nominal Grid Voltage Range	180 V - 280 V	180 V - 280 V	180 V - 280 V
Nominal Grid Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Number of Feed-in Phases	single-phase	Single-Phase	Single-Phase
Adjustable Displacement Factor	0.8 overexcited...0.8 Underexcited	0.8 overexcited...0.8 Underexcited	0.8 overexcited...0.8 Underexcited

<b>Efficiency</b>			
Max. Efficiency	97.5 %	97.5 %	97.5%
Euro Efficiency	97.0 %	97.0 %	97.0 %
MPP Efficiency	> 99.5 %	> 99.5 %	> 99.5 %
<b>Device Protection</b>			
Reverse Polarity Protection	Yes	Yes	Yes
DC-Switch	Optional	Optional	Optional
Short-Circuit Proof	Yes	Yes	Yes
Ground Fault Monitoring	Yes	Yes	Yes
Grid Monitoring	Yes	Yes	Yes
Over-Voltage Protection	Yes	Yes	Yes
Over-Current Protection	Yes	Yes	Yes
Active Anti-Islanding	Yes	Yes	Yes
Leakage Current Detection	Yes	Yes	Yes

<b>General Data</b>			
Dimensions (W / H / D) in mm	494 / 389 / 196	494 / 389 / 196	494 / 389 / 196
Weight	24 kg	25kg	25 kg
Ambient Temperature	- 25°C ... +60°C	- 25°C ... +60°C	- 25°C ... +60°C
Working Altitude	< 2000 m	< 2000 m	< 2000 m
Noise Development	< 30 dB	< 30 dB	< 30 dB
Power Consumption Night	< 0.2 W	< 0.2 W	< 0.2 W
Power Consumption Standby	4 W	4 W	4 W
Topological Structure	Transformerless	Transformerless	Transformerless
Cooling	Free convection	Free convection	Free convection
IP Degree of Protection	IP65	IP65	IP65
DC Connections	MC4	MC4	MC4
AC Connections	Plug connector	Plug connector	Plug connector
Graphics Display	Yes	Yes	Yes
Optional Interfaces	RS485 / Bluetooth / Wifi	RS485 / Bluetooth / Wifi	RS485 / Bluetooth / Wifi
Standard Warranty	5 years	5 years	5 years
Certificates	CE / VDE / AS / CEI / G83 / G59/ C-tick / SAA / CEIO		

