

convert 2700

Technical data

Input (DC) side	
Input voltage range	125 ... 600 V
Maximum installed power	2900W STC
Maximum current	11 A
Connection via coupling plug-in	safe-to-touch plug connectors from Multi-Contact for two DC lines
Output (AC) side	
Maximum power P_{ACmax}	2300 W
Nominal power P_{ACnon}	2100 W
Voltage U_{AC}	230 V
Frequency f_{AC}	50 Hz
Power consumption running	< 7 W
Power consumption on standby and when using mains power at night	< 0.1 W
Maximum efficiency	96 %
European efficiency	95 %
Distortion factor in output current k_{IAC} (with $k_{UAC} < 2\%$ and $P > 0.5 P_N$)	< 4 %
Connection	AC plug (supplied)
System data	
Grid power monitor	Automatic disconnection MSD (ENS) to DIN VDE 0126 and VDE
Short proofing	Current control loop
Overtoltage category	III
All-pole disconnection	Grid power relay (twin)
Ambient temperature	-25°C...+60°C
Relative humidity	0...95 % (class 3K6)
Protection category	IP 21
Reverse voltage protection	Short-circuit diode
Overtoltage protection	Thermally monitored varistors
Personal safety	Fault-current monitor, AC/DC residual current monitor, $I_{\Delta N} \geq 30$ mA for added safety
Display (2-line)	Alternately displays: Current day's yield (kWh) and operating status Output P_{AC} (W) and PV voltage U_{PV} (V) Total yield (kWh) and total operating hours Any faults
Dimensions (W x H x D)	434 x 295 x 214
Weight	22 kg approx.

■ convert 2700 complies with current VDE standards, including the VDE guidelines on photovoltaic power generation systems operating in parallel.

■ convert 2700 carries the CE mark indicating compliance with European Union directives: CE conformity to EN 50178; EN 55014; EN 55011, Group 1, Class B; EN 50081-1; EN 50082-1; EN 61000-3-2.

■ The convert 2700 MSD automatic disconnection facility is certified by the German Trade Association for Precision Mechanical and Electrical Engineering, eliminating the need for three-yearly inspections of the disconnection facility.

■ Compatible with SMA communication interfaces and other large displays. Optional RS232/RS485 ports, power line, data logger and SB-control.

■ Protection class IP 21

The convert 2700 inverter is warranted for five (5) years.

The standard Solar-Fabrik AG terms of sale and delivery apply in all other respects.

