



SOLIVIA 5.0 TR

High efficiency solar inverters for the European market -
Perfect choice for a single or multi-family house

Versatile applications

- Usable with all commercially available solar modules (mono, poly, amorphous)
- Wide input voltage range
- Suitable for indoor and outdoor applications (IP65)

Maximum profitability

- Peak efficiency of 95.6 %
- Full output power up to 55 °C
- 10 years guarantee after online registration

5000 Watt solar inverters

Technical data SOLIVIA 5.0 TR

INPUT (DC)	SOLIVIA 5.0 EU G3 TR
Max. recommended PV power	6000 W _p (5320 W _p DE / 5250 W _p BE)
Nominal power	5500 W (4850 W DE / BE)
Voltage range	125 ... 540 V
Full power MPP range	150 ... 450 V
Nominal current	17.2 A
Max. current	32 A

OUTPUT (AC)	
Nominal power	5000 W
Voltage range	184 ... 264 V ¹⁾
Nominal current	22 A
Nominal frequency	50 Hz
Frequency range	47 ... 52 Hz ¹⁾
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 4 % @ nominal power

GENERAL SPECIFICATION

Model name	SOLIVIA 5.0 EU G3 TR ²⁾
Part number Delta	EOE46010201
Max. efficiency	95.6 %
Efficiency EU	94.6 %
Operating temperature	-25 ... +60 °C
Storage temperature	-25 ... +80 °C
Humidity	0 ... 98 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	510 x 410 x 180 mm
Weight	32 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	4 pairs of Tyco Solarlok
Communication interfaces	2 x RJ45 / RS485
DC disconnecter	-
Display	3 LEDs, 2-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 5.0 EU G3 TR
Protection degree	IP65
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	DIN VDE 0126-1-1; UTE C15-712-1; France/Islands (60 Hz); RD 661/2007; EN 50438
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12
Safety	EN60950-1; EN50178; IEC62103; IEC62109-1 / -2

- 1) AC voltage and frequency range will be programmed according to the individual country requirements.
- 2) An overview of our inverters that can be installed in your country can be found on our website www.solar-inverter.com.

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