



# SOLIVIA 2.5 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 96 %
- Full output power up to 55 °C
- 10 years guarantee after online registration

# 2500 Watt solar inverters

## Technical data SOLIVIA 2.5 TR

INPUT (DC)	SOLIVIA 2.5 EU G3 TR
Max. recommended PV power	3100 W <sub>p</sub>
Nominal power	2750 W
Voltage range	125 ... 540 V
Full power MPP range	150 ... 450 V
Nominal current	10 A
Max. current	18 A

OUTPUT (AC)	
Nominal power	2500 W
Voltage range	184 ... 264 V <sup>1)</sup>
Nominal current	11 A
Nominal frequency	50 Hz
Frequency range	47 ... 52 Hz <sup>1)</sup>
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 3 % @ nominal power

### GENERAL SPECIFICATION

Model name	SOLIVIA 2.5 EU G3 TR <sup>2)</sup>
Part number Delta	EOE45010268
Max. efficiency	96 %
Efficiency EU	94.4 %
Operating temperature	-25 ... +70 °C
Full power without derating	-25 ... +55 °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)	410 x 410 x 180 mm
Weight	21.5 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	3 pairs of Tyco Solarlok
Communication interfaces	2 x RJ45 / RS485
DC disconnecter	Integrated
Display	3 LEDs, 2-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 2.5 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; G83/1-1; VDE-AR-N 4105
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-2; EN61000-3-3
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](http://www.solar-inverter.com).

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