



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 96.1 %
- 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 G4 TR
Max. recommended PV power	3030 W _p
Nominal power	2750 W
Voltage range	125 ... 600 V
Full power MPP range	150 ... 480 V
Nominal current	7.2 A @ 360 V
Max. current	18.2 A

OUTPUT (AC)	
Nominal apparent power	2500 VA ^{1),2)}
Voltage range	184 ... 264 V ³⁾
Nominal current	10.9 A
Nominal frequency	50 Hz
Frequency range	45 ... 65 Hz ³⁾
Power factor adjustable	0.8 cap ... 0.8 ind
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

GENERAL SPECIFICATION

Model name	SOLIVIA 2.5 EU G4 TR ⁴⁾
Part number Delta	EOE45010288
Max. efficiency	96.1 %
Efficiency EU	94.3 %
Operating temperature	-25 ... +70 °C
Full power without derating	-25 ... +55 °C
Storage temperature	-25 ... +80 °C
Humidity	0 ... 95 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	418 x 410 x 182 mm
Weight	21 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	3 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485 + 1 x USB A
DC disconnecter	Integrated
Display	3 LEDs, 4-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 2.5 EU G4 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; RD 661/2007; RD 1699/2011; CEI0-21; Synergrid C10/11 (June 2012); EN 50438; G83/1-2; G59/2; VDE-AR-N 4105
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-2; EN61000-3-3
Safety	IEC62109-1 / -2

1) Cos Phi = 1 (VA = W)

2) Continuous nominal active power in the range of Cos Phi = 0.9 cap ... 0.9 ind

3) AC voltage and frequency range will be programmed according to the individual country requirements.

4) 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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