



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), 3)}
Voltage range	184 ... 264 V ⁴⁾
Nominal current	10.9 A
Nominal frequency	50 Hz
Frequency range	45 ... 65 Hz ⁴⁾
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 ⁵⁾
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	21.5 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

SAFETY / STANDARDS	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; UTE C15-712-1; France/Islands (60 Hz); RD 661/2007; RD 1699/2011; CEI0-21; Syner-grid C10/11 (July 2012); EN 50438; G83/1-2; G59/1-2; 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) The AC power can be limited at the inverter during commissioning to meet country-specific regulations regarding the maximum permissible grid load.
- 4) AC voltage and frequency range will be programmed according to the individual country requirements.
- 5) 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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