



SOLIVIA 3.0 TL

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

Versatile applications

- RS485, Ethernet and WiFi communication interfaces
- Aluminium housing ensures long lasting protection against moisture and corrosion
- Wide input voltage range
- Suitable for indoor and outdoor applications (IP65)

Maximum profitability

- Peak efficiency of 97 %
- Full output power up to 40 °C
- 2 MPP trackers
- 10 years guarantee after online registration

3 kW transformerless solar inverters

Technical data SOLIVIA 3.0 TL

INPUT (DC)	SOLIVIA 3.0 EU T4 TL
Max. recommended PV power	3250 W _p
Nominal power	3125 W
Voltage range	125 ... 550 V ¹⁾
Full power MPP range	320 ... 500 V
Max. current	10 A
Max. number of MPP trackers	1

OUTPUT (AC)	
Nominal apparent power	3 kVA ²⁾
Voltage range	184 ... 276 V ³⁾
Nominal current	13 A
Nominal frequency	50 Hz
Frequency range	50 Hz ± 5 Hz ³⁾
Power factor adjustable	0.8 cap ... 0.8 ind
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

GENERAL SPECIFICATION

Model name	SOLIVIA 3.0 EU T4 TL ⁴⁾
Part number Delta	EOE46030455
Max. efficiency	97 %
Efficiency EU	96.2 %
Operating temperature	-20 ... +60 °C
Full power without derating	-20 ... +40 °C
Storage temperature	-20 ... +60 °C
Humidity	5 ... 95 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	420 x 367 x 157 mm
Weight	15 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	2 pairs of Multi-Contact MC4
Communication interfaces	RS485, Ethernet, WiFi
DC disconnecter	Integrated
Display	2 LEDs, 2-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 3.0 EU T4 TL
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 1699/2011; CEI 21; UTE C15-712-1; Synergrid C10/11 2012; EN 50438; G83/1-2; VDE-AR-N 4105
EMC	EN61000-6-1; EN61000-6-3; EN61000-3-2
Safety	IEC62109-1 / -2; CE compliance

1) Maximum input voltage without damage: 630 V

2) Cos Phi = 1 (VA = W)

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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