



SOLIVIA 10 TL

High efficiency 3-phase solar inverters for the European market –
Perfect choice for medium sized systems, such as those frequently
used in the commercial or agricultural sectors

Versatile applications

- 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 98.3 %
- Full output power up to 40 °C
- 2 MPP trackers - symmetrical and asymmetrical loading possible (33/67 %)
- 10 years guarantee after online registration

10 kW transformerless solar inverters

Technical data SOLIVIA 10 TL

INPUT (DC)	SOLIVIA 10 EU T4 TL
Max. recommended PV power	13.2 kW _p ¹⁾
Nominal power	10.5 kW
Voltage range	250 ... 1000 V
Full power MPP range	350 ... 850 V
Max. current	30 A (20 A per MPP tracker)
Max. number of MPP trackers	Parallel inputs: 1 MPP tracker Separate inputs: 2 MPP trackers
Input load	Symmetrical and asymmetrical (33/67 %)

OUTPUT (AC)

Nominal apparent power	10.0 kVA ²⁾
Voltage range	3 x 230 / 400 V (± 20 %) + N + PE ³⁾
Nominal current (per phase)	14.5 A
Nominal frequency	50 / 60 Hz
Frequency range	50 / 60 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 10 EU T4 TL ⁴⁾
Part number Delta	EOE47030457
Max. efficiency	98.3 %
Efficiency EU	> 97.7 %
Operating temperature	-20 ... +60 °C
Full power without derating	-20 ... +40 °C
Storage temperature	-25 ... +70 °C
Humidity	5 ... 95 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	620 x 625 x 275 mm
Weight	41 kg
Cooling	Convection with fans
AC connector	Amphenol C16/3
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	RS485
DC disconnecter	Integrated
Display	5" monochrome graphical LCD

SAFETY / STANDARDS	SOLIVIA 10 EU T4 TL
Protection degree	IP65 / IP55 ⁵⁾
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	CEI 0-21; EN 50438; Synergrid C10/C11 06/2012; UTE C15-712-1; VDE-0126-1-1/A1; VDE-AR-N 4105; VFR 2013; VFR 2014; ⁶⁾
EMC	EN61000-6-2; EN61000-6-3
Safety	IEC62109-1 / -2; CE compliance

- 1) When operated with symmetrical and asymmetrical input load
- 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.
- 5) IP65 for electronics / IP55 for cooling area
- 6) Please check our website at www.solar-inverter.com for the latest country grid list.

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