



SOLIVIA 30 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 98.2 %
- Full output power up to 40 °C
- 2 MPP trackers - symmetrical and asymmetrical loading possible (33/67 %)

30 kW transformerless solar inverters

Technical data SOLIVIA 30 TL

INPUT (DC)	SOLIVIA 30 EU T4 TL
Max. recommended PV power	38 kW _P ¹⁾
Nominal power	31 kW ²⁾
Voltage range	250 ... 1000 V
Full power MPP range	480 ... 800 V ¹⁾
Max. current	68 A (34 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	30 kVA ³⁾
Voltage range	3 x 230 / 400 V + N + PE ⁴⁾
Nominal current	43 A
Nominal frequency	50 Hz
Frequency range	50 Hz ± 5 Hz ⁴⁾
Power factor adjustable	0.8 cap ... 0.8 ind
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

GENERAL SPECIFICATION

Model name	SOLIVIA 30 EU T4 TL ⁵⁾
Part number Delta	EOE48030458
Max. efficiency	98.2 %
Efficiency EU	> 97.9 %
Operating temperature	-20 ... +60 °C
Full power without derating	-20 ... +40 °C
Storage temperature	-25 ... +70 °C
Humidity	0 ... 90 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	952 x 625 x 275 mm
Weight	72.2 kg
Cooling	Fan
AC connector	Amphenol PPC AC 24
DC connector	6 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485
DC disconnecter	Integrated
Display	5" monochrome graphical LCD

SAFETY / STANDARDS	SOLIVIA 30 EU T4 TL
Protection degree	IP65 / IP55 ⁶⁾
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	BDEW; CEI 0-21; EN 50438; G59/1-2 (230 V & 240 V); SONDO Class C; Synergrid C10/C11 06/2012; UTE C15-712-1; VDE-0126-1-1/A1; VDE-AR-N 4105; VFR 2013; VFR 2014; ⁷⁾
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12
Safety	IEC62109-1 / -2; CE compliance

- 1) When operated with balanced DC inputs (50/50 %)
- 2) Max. 20.1 kW per DC input with asymmetrical load
- 3) Cos Phi = 1 (VA = W)
- 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.
- 6) IP65 for electronics / IP55 for cooling area
- 7) Please check our website at www.solar-inverter.com for the latest country grid list.

International

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