



# SOLIVIA 15 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 %
- Full output power up to 40 °C
- 2 MPP trackers
- 10 years guarantee after online registration

# 15 kW transformerless solar inverters

## Technical data SOLIVIA 15 TL

INPUT (DC)	SOLIVIA 15 EU G3 TL
Max. recommended PV power	19 kW <sub>p</sub>
Nominal power	15.3 kW
Voltage range	250 ... 1000 V
Full power MPP range	350 ... 800 V
Max. current	46 A (23 A per MPP)
Max. number of MPP trackers	2

### OUTPUT (AC)

Nominal power	15 kW
Voltage range	3 x 400 V (± 20 %) (3 phases, 3 wires) <sup>1)</sup>
Nominal current	22 A (per phase)
Nominal frequency	50 / 60 Hz
Frequency range	50 Hz: 47 ... 53 Hz; 60 Hz: 57 ... 63 Hz <sup>1)</sup>
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 3 % @ nominal power

### GENERAL SPECIFICATION

Model name	SOLIVIA 15 EU G3 TL <sup>2)</sup>
Part number Delta	EOE48010223
Max. efficiency	98 %
Efficiency EU	> 97.5 %
Operating temperature	-20 ... +60 °C
Full power without derating	-20 ... +40 °C
Storage temperature	-20 ... +80 °C
Humidity	0 ... 90 %
Max. operating altitude	2000 m (above sea level)

### MECHANICAL DESIGN

Size (L x W x D)	952 x 624.7 x 278 mm
Weight	63 kg
Cooling	Fan
AC connector	Amphenol C16/3
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485
DC disconnect	Integrated
Display	Black/white graphical LCD

STANDARDS / DIRECTIVES	SOLIVIA 15 EU G3 TL
Protection degree	IP65 / IP54 <sup>3)</sup>
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; RD 661/2007; EN 50438
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12
Safety	EN 60950-1; EN 50178; IEC 62103; IEC 62109-1 / -2

- 1) AC voltage and frequency range will be programmed according to the individual country requirements.
- 2) An overview of our inverters that can be installed in your country can be found on our website [www.solar-inverter.com](http://www.solar-inverter.com).
- 3) IP65 for electronics / IP54 for cooling area

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