



Version: EU, Language: en

# SOLIVIA 3.6 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 %
- Full output power up to 55 °C
- 10 years guarantee after online registration

# 3600 Watt solar inverters

## Technical data SOLIVIA 3.6 TR

INPUT (DC)	SOLIVIA 3.6 EU G4 TR
Max. recommended PV power	4300 W <sub>p</sub>
Nominal power	3850 W
Voltage range	125 ... 600 V
Full power MPP range	170 ... 480 V
Nominal current	10.7 A @ 360 V
Max. current	22 A

OUTPUT (AC)	
Nominal apparent power	3600 VA <sup>1)</sup>
Voltage range	184 ... 264 V <sup>2)</sup>
Nominal current	15.7 A
Max. current	17 A
Nominal frequency	50 Hz
Frequency range	47 ... 52 Hz <sup>2)</sup>
Power factor (cos φ)	> 0.99 @ nominal apparent power <sup>3)</sup>
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

### GENERAL SPECIFICATION

Model name	SOLIVIA 3.6 EU G4 TR <sup>4)</sup>
Part number Delta	EOE46010316
Max. efficiency	96 %
Efficiency EU	94.6 %
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 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

STANDARDS / DIRECTIVES	SOLIVIA 3.6 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; RD 1699/2011; CEI 21; TERNA A70; Synergrid C10/11 2012; Synergrid C10/11 BT; EN 50438; G83/1-2; 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) AC voltage and frequency range will be programmed according to the individual country requirements.
- 3) Cos Phi = 0,8 cap ... 0,8 ind
- 4) 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).

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