



SOLIVIA 5.0 TR

High efficiency solar inverters for the Australian 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 95.6 %
- 10 years standard guarantee

5000 Watt solar inverters

Technical data SOLIVIA 5.0 TR

INPUT (DC)	SOLIVIA 5.0 AP G3 TR
Max. recommended PV power	6000 W _p
Nominal power	5500 W
Voltage range	125 ... 540 V
Full power MPP range	150 ... 450 V
Nominal current	17.2 A
Max. current	32 A

OUTPUT (AC)	
Nominal power	5000 W (power limit option: 4600 W)
Voltage range	210 ... 264 V
Nominal current	22 A
Nominal frequency	50 Hz
Frequency range	48 ... 52 Hz
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 4 % @ nominal power

GENERAL SPECIFICATION

Model name	SOLIVIA 5.0 AP G3 TR
Part number Delta	EOE46010301
Max. efficiency	95.6 %
Efficiency EU	94.6 %
Operating temperature	-25 ... +60 °C
Storage temperature	-25 ... +80 °C
Humidity	0 ... 98 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN

Size (L x W x D)	510 x 410 x 180 mm
Weight	32 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485
Display	3 LEDs, 2-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 5.0 AP G3 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	AS 4777.2; AS 4777.3; IEC 60255.5
EMC	AS 4777.1; AS 4777.2; AS 4777.3; EN 61000-6-2; IEC / EN 61000-6-3
Safety	AS/NZS 60950.1; AS/NZS 3100; AS 4777.2; AS 4777.3

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