

SOLIVIA 2.0 TR / 2.5 TR



Product picture can vary depending on the model

Technical data SOLIVIA 2.0 TR / 2.5 TR

INPUT (DC)	SOLIVIA 2.0 EU G4 TR	SOLIVIA 2.5 EU G4 TR
Max. recommended PV power	2400 W _p	3030 W _p
Nominal power	2200 W	2750 W
Voltage range	125 ... 600 V	
Full power MPP range	150 ... 480 V	
Nominal current	6.2 A @ 360 V	7.2 A @ 360 V
Max. current	15 A	18.2 A

OUTPUT (AC)

Nominal apparent power	2000 VA ^{1), 2), 3)}	2500 VA ^{1), 2), 3)}
Voltage range	184 ... 264 V ⁴⁾	
Nominal current	8.7 A	10.9 A
Nominal frequency	50 Hz	
Frequency range	45 ... 65 Hz ⁴⁾	
Power factor adjustable	0.8 cap ... 0.8 ind	
Total harmonic distortion (THD)	< 3 % @ nominal apparent power	

GENERAL SPECIFICATION

Model name	SOLIVIA 2.0 EU G4 TR	SOLIVIA 2.5 EU G4 TR
Part number Delta	EOE45010459	EOE45010288
Max. efficiency	95.8 %	96.1 %
Efficiency EU	93.1 %	94.3 %
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	21.5 kg	
Cooling	Convection	
AC connector	Wieland RST25i3S	
DC connector	1 pair of Multi-Contact MC4	2 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485 + 1 x USB A	
DC disconnect	Integrated	
Display	3 LEDs, 4-line LCD	

STANDARDS / DIRECTIVES	SOLIVIA 2.0 EU G4 TR	SOLIVIA 2.5 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/A1; UTE C15-712-1; Synergrid C10/11 (July 2012); EN 50438; G83/1-2; G59/1-2; VDE-AR-N 4105; VFR 2013; VFR 2014	DIN VDE 0126-1-1/A1; UTE C15-712-1; France/Islands (60 Hz); RD 661/2007; RD 1699/2011; CEI 0-21; Synergrid C10/11 (July 2012); EN 50438; G83/1-2; G59/1-2; VDE-AR-N 4105; VFR 2013; VFR 2014
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-2; EN61000-3-3	
Safety	IEC62109-1 / -2	

- 1) Cos Phi = 1 (VA = W)
- 2) Continuous nominal active power in the range of Cos Phi = 0.9 cap ... 0.9 ind
- 3) The AC power can be limited at the inverter during commissioning to meet country-specific regulations regarding the maximum permissible grid load.
- 4) AC voltage and frequency range will be programmed according to the individual country requirements.