



### Main

Range of product	Conext TL
Device short name	TL 10000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Three phase
Nominal output power	10 kVA

### Complementary

Photovoltaic power	10.4 kW input power for maximal output power
Output voltage	230/400 V AC (nominal)
Number of MPPT	2
Maximum output current	16 A AC
Frequency	50/60 Hz +/- 3 Hz (output)
Cos phi	0.8 leading to lagging
Harmonic distortion	< 3 % at rated power
Input voltage	350...850 V DC MPPT 200 V DC at start <= 1000 V DC open circuit
Input current per MPPT	<= 17 A
Efficiency	97.7 % European 98.3 % peak
Power consumption in W	< 2 W night time
Topology	Transformerless
Function available	Dry contact Remote inverter disable Standard integrated DC disconnect Embedded data logger for 365 days
Relay type	Multifunction control relay
Communication interface	Modbus (RS485)
Type of connector	Multicontact MC4 - input) - (IP67 - output)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Type of cooling	Fan
Height	62.5 cm
Width	61.2 cm
Depth	27.8 cm
Product weight	41 kg
Acoustic level	< 50 dBA
Enclosure material	Aluminium
Marking	CE

## Environment

IP degree of protection	IP55 (balance) IP65 (electronic)
Ambient air temperature for operation	-20...60 °C
Electromagnetic compatibility	Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 Immunity for industrial environments conforming to EN 61000-6-2
Standards	AS 3100 VDE 0126-1-1 CEI 0-21 RD 1663 RD 1699 RD 661 UTE C 15-712-1 VDE-AR-N 4105
Operating altitude	< 2000 m without derating
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH
Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility