



### Main

Range of product	Conext TL
Device short name	TL 8000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Three phase
Nominal output power	8 kVA

### Complementary

Photovoltaic power	8.3 kW input power for maximal output power
Output voltage	230/400 V AC (nominal)
Number of MPPT	2
Maximum output current	12.8 A AC
Frequency	50/60 Hz +/- 3 Hz (output)
Cos phi	0.8 leading to lagging
Harmonic distortion	< 3 % at rated power
Input voltage	200 V DC at start 350...850 V DC MPPT <= 1000 V DC open circuit
Input current per MPPT	<= 17 A
Efficiency	98.2 % peak 97.4 % European
Power consumption in W	< 2 W night time
Topology	Transformerless
Function available	Embedded data logger (365 days) Standard integrated DC disconnect Remote inverter disable Dry contact
Communication interface	Modbus (RS485)
Type of connector	- (IP67 - output) Multicontact MC4 - input
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

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## Environment

IP degree of protection	IP65 (electronic) IP55 (balance)
Ambient air temperature for operation	-20...60 °C
Electromagnetic compatibility	Immunity for industrial environments conforming to EN 61000-6-2 Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3
Standards	VDE 0126 VDE-AR-N 4105 RD 1699 CEI 0-21 IEC 62116 IEC 61727 AS 4777 EN 50438 UTE C 15-712-1
Product certifications	CE marked for low voltage directive 2006/95/EC conforming to 62109-1/62109-2 CE marked for EMC directive 2004/108/EC
Operating altitude	< 2000 m without derating
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH