



### Main

Range of product	Conext TL
Device short name	TL 20000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Three phase
Nominal output power	20 kVA

### Complementary

Photovoltaic power	22 kW input power for maximal output power
Output voltage	230/400 V AC (nominal)
Number of MPPT	2
Maximum output current	32 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...800 V DC <= 1000 V DC open circuit
Input current per MPPT	<= 30 A
Efficiency	97.5 % European 98 % peak
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
Relay type	Multifunction control relay
Communication interface	Modbus (RS485)
Type of connector	- (IP67 - output) Multicontact MC4 - input)
Type of cooling	Fan
Height	96 cm
Width	61.2 cm
Depth	27.2 cm
Product weight	67.2 kg
Acoustic level	< 55 dBA
Enclosure material	Aluminium

## 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 0126-1-1 RD 1663 RD 661 BDEW AS4777 AS 3100 VDE-AR-N 4105 RD 1699 CEI 0-21 SI 4777 IEC 62116 IEC 61727
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