



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
Output current	32 A AC
Network 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	<= 30 A
Efficiency	98 % peak 97.5 % European
Power consumption in W	< 2 W night time
Topology	Transformerless
Function available	Remote inverter disable Standard integrated DC disconnect Dry contact 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	96 cm
Width	61.2 cm
Depth	27.2 cm
Product weight	67.2 kg
Acoustic level	< 55 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	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 IEC 62116 BDEW AS 3100 RD 661 VDE-AR-N 4105 CEI 0-21 RD 1699 AS4777 IEC 61727 SI 4777
Operating altitude	< 2000 m without derating
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive

Contractual warranty

Warranty period	60 months
-----------------	-----------