



Main

Commercial Status	Commercialised
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
Output voltage	230/400 V AC
Number of MPPT	2
Output current (max.)	29 A AC
Frequency	50 Hz +/- 3 Hz
Power factor	> 0.99 at full power range 0.85 leading to lagging
Harmonic distortion	< 3 % at rated power
Input voltage	350...800 V DC MPPT <= 1000 V DC open circuit
Max. Input current (per DC tracker)	30 A x 2
Efficiency	98.05 % peak 97.5 % European
Power consumption in W	< 2 W night time
Function available	Standard integrated DC disconnect Embedded datalogger Dry contact Remote inverter disable
Communication interface	RS485 Modbus
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	Conforming to EN 61000-6-2 immunity for industrial environments Conforming to EN 61000-6-3 emission standard for residential, commercial and light-industrial environments
Standards	DK 5940 EN 50178 EN 60950 VDE 0126-1-1 RD 1663 BDEW AS4777 IEC 62109-1 AS 3100 ENEL UTE G59 IEC 61209-2
Product certifications	CE EMC directive 2004/108/EC
Operating altitude	< 2000 m without derating
Relative humidity	5...95 % (non-condensing)