

Product datasheet

Specifications



Conext TL - 20kVA inverter

PVSNVC20000

⚠ Discontinued on: 2 June 2021

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Main

Range Of Product	Conext TL
Device Short Name	TL 20000 E
Product Or Component Type	Grid-tie solar inverter
Network Number Of Phases	3 phases
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	<= 1000 V DC open circuit 200 V DC at start 350...800 V DC
Input Current Per Mppt	30 A
Efficiency	98 % peak 97.5 % European
Maximum 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)
Connector Type	- (IP67) for output Multicontact MC4 for input
Type Of Cooling	Fan
Height	96 cm
Width	61.2 cm

Depth	27.2 cm
Net Weight	67.2 kg
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	VDE 0126-1-1 BDEW AS 3100 CEI 0-21 RD 1663 RD 1699 RD 661 VDE-AR-N 4105 AS4777 IEC 61727 IEC 62116 SI 4777
Operating Altitude	< 2000 m without derating
Relative Humidity	4...100 % condensing
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	51.4 cm
Package 1 Width	79 cm
Package 1 Length	115 cm
Package 1 Weight	110 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	1
Package 2 Height	80 cm
Package 2 Width	80 cm
Package 2 Length	120 cm
Package 2 Weight	122 kg

Contractual warranty

Warranty	60 months
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