

SOLiVi4 20 TL



20 kW transformerless solar inverter

SOLIVIA - The new generation of solar inverters from Delta offer high-efficiency string and central inverters. SOLIVIA stands for *Solar inverters for versatile and intelligent applications*.



One model for all countries

One unit can be used in more than eight European countries (e. g. DE, IT, ES, FR, CZ, BE, GR, PT, etc.) simply by the click of a button! The multi-country models will help our customers to save costs in warehousing and logistics.



Temperature & design improvements

The SOLIVIA solar inverters from Delta are dust tight (IP54/IP65) and operate over a wide range of temperatures. A very high efficiency of 98.1 %, a wide input voltage range of 200 up to 1000 V as well as 2 MPP trackers give you ultimate flexibility when designing your system.



State-of-the-art display

The user-friendly menu navigation via the integrated black/white graphical LCD display makes the unit easy to operate. The display messages can be shown in a choice of 5 different languages (DE, EN, ES, FR, IT).



Simple handling

The SOLIVIA 20 TL inverters have an integrated DC disconnecter that saves our customers installation costs and the cost of an external DC disconnecter.

INPUT (DC)	
Max. recommended PV power	25.0 kW
Nominal power	22.0 kW
Voltage range	200 ... 1000 V
MPP range	350 ... 800 V
No. of MPP trackers	2
Max. current	60 A (30 A x 2)

GENERAL SPECIFICATION	
Model name	SOLIVIA 20 EU G3 TL
Max. efficiency	98.1 %
Efficiency EU	> 97.5 %
Operating temperature	-20 ... +60 °C
Storage temperature	-20 ... +80 °C
Humidity	0 ... 90 %

MECHANICAL DESIGN	
Size (L x W x D)	952.0 x 624.7 x 278.0 mm
Weight	65.0 kg
Cooling	Fan
AC connector	Bulgin PXA911/04/S
DC connector	4 pairs Multicontact MC4
Communication	2 RJ45 / RS485
DC disconnecter	Integrated
Display	Black/white graphical LCD

OUTPUT (AC)	
Max. power	21.0 kW
Nominal power	20.0 kW
Voltage range (3 phase, 3 wire)	3 x 400 V (-20 % / +20 %) *
Nominal current	29 A
Max. current	30 A
Nominal frequency	50 / 60 Hz
Frequency range	50 Hz: 47.0 ... 53.0 Hz 60 Hz: 57.0 ... 63.0 Hz *
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 3 % @ nominal power

STANDARDS	
Protection degree	IP54 / IP65
Safety class	1
Configurable trip parameters	Yes
Insulation monitoring	Yes
Anti-islanding protection	VDE 0126-1-1; RD 1663; ENEL G.L. 12/2008; EN 50438

DIRECTIVES	
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12
Safety	EN60950-1; EN50178; IEC62103; IEC62109-1 / -2

* AC voltage and frequency range will be programmed according to the individual country requirements. AC output is Delta grid without neutral.

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Mondays to Fridays from 8 am to 5 pm (apart from official Bank Holidays) (3,9 ct/min)

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