



Versatile on the roof, powerful in the park.

The transformerless, three-phase inverter blueplanet 20.0 TL3 INT.

The new blueplanet 20.0 TL3 INT gives you plenty of flexibility in the medium power range. Firstly, the inverter rounds off the 10 to 17 kVA power range led by its Powador brothers: The name being based on its AC output, the device identifies itself as a genuine 20 kVA unit.

Following on from the blueplanet 50.0 TL3 INT, the blueplanet 20.0 TL3 INT is also the next wall-mounted unit that can be used up to the threshold between commercial and utility applications.

As is the case with the Powador 12.0 TL3 to 20.0 TL3, the blueplanet 20.0 TL3 INT has extensive features and hits the mark if you are planning projects with a challenging system design.

The blueplanet 20.0 TL3 INT operates using two separate MPP trackers that can handle both symmetrical and asymmetrical loads. You will be able to deal with east/west facing roofs (symmetrical load), factory roofs which are shaded or inconsistently designed and open spaces

(asymmetrical load). Two strings can be connected per MPP tracker, but a parallel tracker connection is also possible.

The wide input voltage range emphasises the flexibility of the blueplanet 20.0 TL3 INT. The inverter starts at 250 V, and, when in operation, continues to feed in at 200 V. What's more, it will work right up to 950 V. In this way, the unit's long working hours will result in high profitability for your solar power system.



blueplanet 20.0 TL3 INT

97.9 % efficiency

2 MPP trackers, symmetrical and asymmetrical loading possible

Wide input voltage range
200 V – 950 V

Protection class IP65 for outdoor use

Graphical display, multilingual menu, pre-configured country settings

Data logger with web server

Electrical data	20.0 TL3 INT NEW
Input variables	
Maximum PV generator power	24 000 W
MPP range@Phom	550 V ... 800 V
Operating range	200 V - 950 V
Min. DC voltage / starting voltage	200 V / 250 V
No-load voltage	1 000 V
Max. input current	2 x 18.8 A
Number of MPP trackers	2
Max. power/tracker	15.0 kW
Number of strings	2 x 2
Output variables	
Rated output (@ 220 V)	20 000 VA@230 V
Line voltage	400 V / 230 V (3 / N / PE)
Rated current	3 x 29 A
Rated frequency	50 Hz / 60 Hz
cos phi	0.80 inductive ... 0.80 capacitive
Number of grid phases	3
General electrical data	
Max. efficiency	97.9 %
Europ. efficiency	97.6 %
Night consumption	1.5 W
Switching plan	transformerless
Grid monitoring	acc. to local requirements
Mechanical data	
Display	graphical display + LEDs
Control units	4-way navigation + 2 buttons
Interfaces	standard: 2 x Ethernet, USB, RS485, Error relay optional: 4-DI
Fault signalling relay	potential-free NOC max. 30 V / 1 A
Connections	DC: solar connector, AC: cable connection M40 and terminal (max. cross-section: 16 mm ² flexible, 10 mm ² rigid)
Ambient temperature	-25°C ... +60°C ¹⁾
Cooling	forced convection
Protection class	IP65
Noise emission	< 53 dB (A)
DC switch	integrated
Casing	aluminium casting
H x W x D	690 x 420 x 200 mm
Weight	46.6 kg

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The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted.
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