

**NEW**

Data sheet  
blueplanet  
20.0 TL3 INT



# 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.

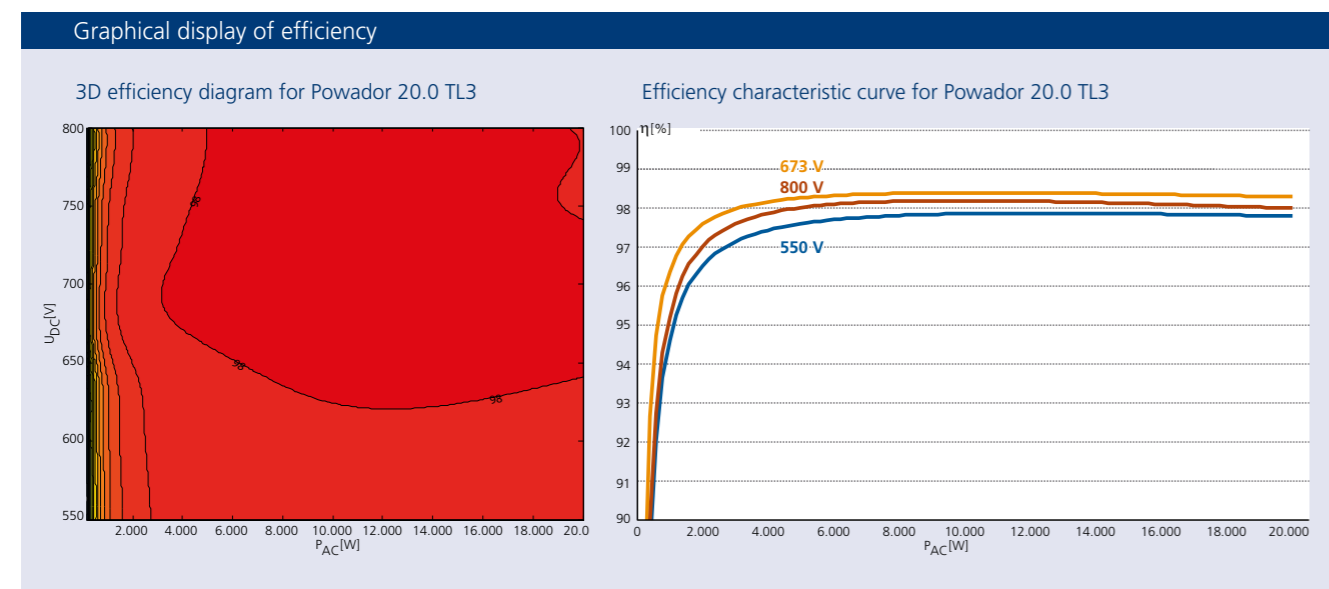
The wide input voltage range emphasises the flexibility of the blueplanet 20.0 TL3 INT. The inverter starts at 250 V, and, when in operation, continues to feed in at 200 V. What's more, it will work right up to 950 V. In this way, the unit's long working hours will result in high profitability for your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

## Technical data

blueplanet 20.0 TL3 INT

Electrical data	20.0 TL3 INT	NEW
<b>Input variables</b>		
Maximum PV generator power	24 000 W	
MPP range@Pnom	515 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 20 A	
Number of MPP trackers	2	
Max. power/tracker	15.0 kW	
Number of strings	2 x 2	
<b>Output variables</b>		
Rated output (@ 230 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	1 inductive ... 0.3 capacitive	
Number of grid phases	3	
<b>General electrical data</b>		
Max. efficiency	98.4 %	
Europ. efficiency	98.1 %	
Night consumption	1.5 W	
Switching plan	transformerless	
Grid monitoring	acc. to local requirements	
<b>Mechanical data</b>		
Display	graphical display + LEDs	
Control units	4-way navigation + 2 buttons	
Interfaces	standard: 2xEthernet, 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 <sup>2</sup> flexible, 10 mm <sup>2</sup> rigid)	
Ambient temperature	-25°C ... +60°C <sup>1)</sup>	
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	

<sup>1)</sup> Power derating at high ambient temperatures.





## blueplanet 20.0 TL3

98.4 % 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

Your retailer

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