



Data sheet
blueplanet
15.0 TL3 INT
20.0 TL3 INT

NEW



Versatile on the roof, powerful in the park.

The transformerless, three-phase inverter blueplanet 15.0 TL3 INT and 20.0 TL3 INT.

The blueplanet 15.0 TL3 INT and 20.0 TL3 INT offer you plenty of scope for your photovoltaic projects in the medium power range – from small, commercial solar roofs to large-scale, open space solar parks.

Both inverters operate 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

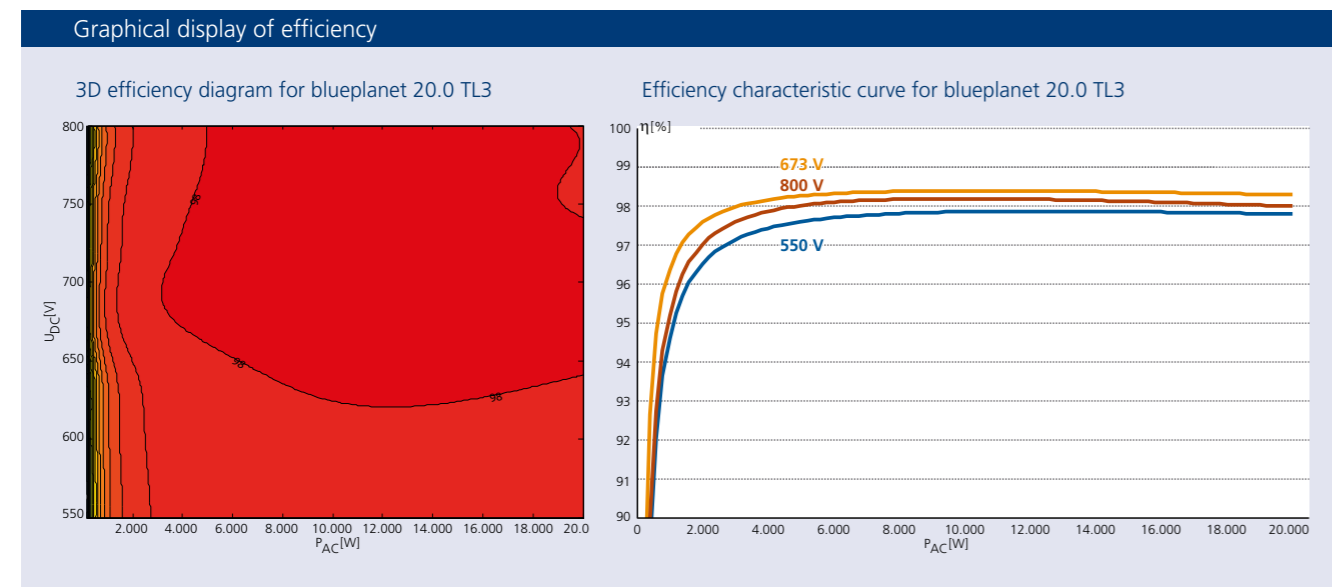
MPP tracker, but a parallel tracker connection is also possible.

The wide input voltage range underscores the high performance of the units: The inverters start at 250 V, and, when in operation, continue to feed in at 200 V. They work right up to 950 V. First, these features give you a high degree of flexibility in system planning, and later, their long working hours will result in extremely high profitability.

The inverters comply with the BDEW medium voltage directive and a broad

range of international grid regulations. Moreover, the combination of inverter and Powador-protect allows you to meet the requirements of grid and system protection as well as power management simply and inexpensively.

Pre-installed sockets into which the surge protection device of type SPD 1+2 can be fitted emphasise the safety aspect.



Technical data

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Electrical data	15.0 TL3 INT	NEW	20.0 TL3 INT
Input variables			
Maximum PV generator power	18 000 W		24 000 W
MPP range@P _{nom}	420 V ... 800 V		515 V ... 800 V
Operating range	200 V - 950 V		200 V - 950 V
Min. DC voltage / starting voltage	200 V / 250 V		200 V / 250 V
No-load voltage	1 000 V		1 000 V
Max. input current	2 x 18,6 A		2 x 20 A
Number of MPP trackers	2		2
Max. power/tracker	14,9 kW		15.0 kW
Number of strings	2 x 2		2 x 2
Output variables			
Rated output (@ 230 V)	15 000 VA@230 V		20 000 VA@230 V
Line voltage	400 V / 230 V (3 / N / PE)		400 V / 230 V (3 / N / PE)
Rated current	3 x 21,8 A		3 x 29 A
Rated frequency	50 Hz / 60 Hz		50 Hz / 60 Hz
cos phi	1 inductive ... 0.3 capacitive		1 inductive ... 0.3 capacitive
Number of grid phases	3		3
General electrical data			
Max. efficiency	98,0 %		98.4 %
Europ. efficiency	97,7 %		98.1 %
Night consumption	1,5 W		1.5 W
Switching plan	trafolos		transformerless
Grid monitoring	länderspezifisch		acc. to local requirements
Mechanical data			
Display	graphical display + LEDs		graphical display + LEDs
Control units	4-way navigation + 2 buttons		4-way navigation + 2 buttons
Interfaces	standard: 2xEthernet, USB, RS485, Error relay optional: 4-DI		standard: 2xEthernet, USB, RS485, Error relay optional: 4-DI
Fault signalling relay	potential-free NOC max. 30 V / 1 A		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)		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⁾		-25°C ... +60°C ¹⁾
Cooling	forced convection		forced convection
Protection class	IP65		IP65
Noise emission	< 53 dB (A)		< 53 dB (A)
DC switch	integrated		integrated
Casing	aluminium casting		aluminium casting
H x W x D	690 x 420 x 200 mm		690 x 420 x 200 mm
Weight	46.6 kg		46.6 kg

¹⁾ Power derating at high ambient temperatures.



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Up to 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

Prepared for surge protection

Your retailer

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