

Data sheet

blueplanet  
750 TL3 | 875 TL3  
1000 TL3



# The next generation.

The central inverters blueplanet 750 TL3 to 1000 TL3.

The main goal in the development of the blueplanet 1000 TL3 was to create the most economical central inverter on the market to safeguard your investment in large PV systems.

The blueplanet 1000 TL3 has protection class IP54. It is therefore particularly suitable for use outdoors – saving you the costs of a separate enclosed room. This, combined with maximum power density, makes it a real alternative to central inverter stations.

The innovative signal-processing technology ensures maximum performance, efficiency and reliability. The internal power supply of the controller is redundantly de-

signed and an extremely powerful cooling system protects all temperature-sensitive components.

Moreover, the blueplanet 1000 TL3 scores highly thanks to its maximum user-friendliness – irrespective of whether you operate it locally or by means of remote access over the Internet. The inverter is equipped with both full digital control, as well as a digital user interface. This provides you with:

- easy operation and quick maintenance
- a multitude of options for system monitoring and universal communications
- activation of country-specific preconfigured settings at the push of a button

Its smaller siblings, the new blueplanet 750 TL3 and 875 TL3 also impress with the same performance characteristics as their megawatt brother. On top of that, they are able to provide additional reactive power or overcurrent when required. Thanks to the different output gradings in the blueplanet central inverter portfolio, it is really easy for planners to make optimum use of available park surfaces.

# Technical data

blueplanet 750 TL3 | 875 TL3 | 1000 TL3

Electrical data	blueplanet 750 TL3	blueplanet 875 TL3	blueplanet 1000 TL3
<b>DC input</b>			
MPP range	550 V ... 830 V	550 V ... 830 V	550 V ... 830 V
Operating range	550 V ... 1000 V	550 V ... 1000 V	550 V ... 1000 V
No-load voltage	1100 V <sup>1)</sup>	1100 V <sup>1)</sup>	1100 V <sup>1)</sup>
Max. input current	1433 A	1671 A	1910 A
Number of DC inputs	12 (standard) / 9 (optional)	12 (standard) / 9 (optional)	12 (standard) / 9 (optional)
<b>AC output</b>			
Max. output power / rated power	1000 kVA / 750 kW	1000 kVA / 875 kW	1000 kVA / 1000 kW
Voltage to external transformer	3 x 370 V (+/-10%)	3 x 370 V (+/-10%)	3 x 370 V (+/-10%)
Max. output current	1560 A	1560 A	1560 A
Rated frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
cos phi	0 inductive ... 0 capacitive (adjustable)		
<b>General electrical data</b>			
Max. efficiency	98.5 %	98.5 %	98.5 %
European efficiency	98.2 %	98.2 %	98.3 %
Internal consumption	< 2800 W	< 2800 W	< 2800 W
<b>Mechanical data</b>			
Interfaces	TFT LCD display with touchpanel 2 x RS485 / Ethernet / Wi-Fi / USB 1 user digital input / output		
Protocol	Modbus TCP/IP, SOAP (Simple Object Access Protocol), KACO RS485 protocol		
Ambient temperature	-20°C ... +50°C full rated power, no derating		
Cooling	fan	fan	fan
Audible noise	< 70 db(A) <sup>2)</sup>	< 70 db(A) <sup>2)</sup>	< 70 db(A) <sup>2)</sup>
Protection class	IP54, for outdoor installation	IP54, for outdoor installation	IP54, for outdoor installation
H x W x D	2120 x 3110 x 1000mm	2120 x 3110 x 1000mm	2120 x 3110 x 1000mm
Weight	3140 kg	3140 kg	3140 kg
<b>Extras</b>			
RPO mode	provision of reactive power out of normal operation (optional)		
Ground fault detection	yes	yes	yes
Protection against moisture	integrated hygostat and heating combination		
Emergency stop	yes	yes	yes
DC reverse polarity protection	yes	yes	yes
Anti islanding	yes	yes	yes
FRT	yes	yes	yes
Overtoltage protection	DC side: type 2 / AC side: type 3 / Ethernet: type 2 / Control: type 2		
<b>Certifications</b>			
Safety	IEC 62109-1/-2 / EN 61000-6-2/-4 / EN 61000-3-11/-12		
Grid compliance	BDEW, ... for more see homepage/download area		

Conform to the country-specific standards and regulations according to what country version has been set.

<sup>1)</sup> To protect the hardware, the inverter starts up only at voltages < 1000 V.

<sup>2)</sup> Measured in 10m distance.



## blueplanet 750 TL3 | 875 TL3 1000 TL3

Very precise, innovative solutions  
for large PV projects

Highest degree of efficiency

1100 V system voltage

Continuous full output power at  
ambient temperatures of up to 50 °C

Developed for outdoor use

Your retailer

---