

Data sheet

blueplanet
750 TL3 outdoor
875 TL3 outdoor
1000 TL3 outdoor



All good things come in threes.

The central inverters blueplanet 750 TL3 outdoor to 1000 TL3 outdoor.

The blueplanet 1000 TL3 outdoor is your economical central inverter for large-scale PV systems.

The device 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 designed and an extremely powerful cooling system protects all temperature-sensitive components.

Moreover, the blueplanet 1000 TL3 outdoor 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 blueplanet 750 TL3 outdoor and 875 TL3 outdoor 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 outdoor | 875 TL3 outdoor | 1000 TL3 outdoor

Electrical data	blueplanet 750 TL3 OD	blueplanet 875 TL3 OD	blueplanet 1000 TL3 OD
DC input			
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 ¹⁾	1100 V ¹⁾	1100 V ¹⁾
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)
AC output			
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)		
General electrical data			
Max. efficiency	98.5%	98.5%	98.5%
European efficiency	98.2%	98.2%	98.3%
Internal consumption	< 2800 W	< 2800 W	< 2800 W
Mechanical data			
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) ²⁾	< 70 db(A) ²⁾	< 70 db(A) ²⁾
Protection class	IP54, for outdoor installation	IP54, for outdoor installation	IP54, for outdoor installation
H x W x D	2120 x 3110 x 1000 mm	2120 x 3110 x 1000 mm	2120 x 3110 x 1000 mm
Weight	3140 kg	3140 kg	3140 kg
Extras			
RPO mode	provision of reactive power out of normal operation (optional)		
Ground fault detection	yes	yes	yes
Protection against moisture	integrated hygrostat and heating combination		
Emergency stop	yes	yes	yes
DC reverse polarity protection	yes	yes	yes
Anti islanding	yes	yes	yes
FRT	yes	yes	yes
Overvoltage protection	DC side: type 2 / AC side: type 3 / Ethernet: type 2 / Control: type 2		
Certifications			
Safety	IEC 62109-1/-2 / EN 61000-6-2/-4 / EN 61000-3-11/-12		
Grid compliance	BDEW, ... for more see homepage/download area		

Conforms to the country-specific standards and regulations according to the country version that has been set.

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

²⁾ Measured in 10m distance.



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750 TL3 outdoor
875 TL3 outdoor
1000 TL3 outdoor

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