

Data sheet
blueplanet
750 TL3 indoor
875 TL3 indoor
1000 TL3 indoor

NEW



The be-all and end-all for inverter stations.

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

Make these indoors inverters your choice whenever you are equipping your solar park to a centralised concept. The appliances have been conceived so that they can be integrated into concrete or steel stations together with medium voltage transformer and other components with absolute ease and simplicity.

This inverter series comes in a range of outputs which makes it easy for you to use available space in your solar park to the full. The blueplanet 750 TL3 and 875 TL3 with their corresponding rated outputs of 750 kW and 875 kW can boast an apparent AC power of 1,000 kVA. These characteristics make it easy to overcome hurdles if your park is

subject to requirements governing reactive power or excess current.

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.

As with all KACO new energy inverters, these appliances really score when it comes to absolute user-friendliness – irrespective of whether they are operated on site or remotely via the internet. They are 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 pre-configured settings at the push of a button.

Technical data

blueplanet 750 TL3 indoor | 875 TL3 indoor | 1000 TL3 indoor

Electrical data	blueplanet 750 TL3 ID NEW	blueplanet 875 TL3 ID NEW	blueplanet 1000 TL3 ID NEW
DC input			
MPP range	550 V ... 830 V	550 V ... 830 V	550 V ... 830 V
Operating range	550 V ... 1 000 V	550 V ... 1 000 V	550 V ... 1 000 V
No-load voltage	1 100 V ¹⁾	1 100 V ¹⁾	1 100 V ¹⁾
Max. input current	1 433 A	1 671 A	1 910 A
Number of DC inputs	12 (standard) / 9 (optional)	12 (standard) / 9 (optional)	12 (standard) / 9 (optional)
AC output			
Max. output power / rated power	1 000 kVA / 750 kW	1 000 kVA / 875 kW	1 000 kVA / 1 000 kW
Voltage to external transformer	3 x 370 V (+/-10 %)	3 x 370 V (+/-10 %)	3 x 370 V (+/-10 %)
Max. output current	1 560 A	1 560 A	1 560 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	< 2 800 W	< 2 800 W	< 2 800 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	IP21	IP21	IP21
H x W x D	2 120 x 3 110 x 1 000 mm	2 120 x 3 110 x 1 000 mm	2 120 x 3 110 x 1 000 mm
Weight	2 700 kg	2 700 kg	2 700 kg
Extras			
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
Overvoltage protection	DC side: type 2 / 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 < 1 000 V.

²⁾ Measured in 10m distance.



blueplanet
750 TL3 indoor
875 TL3 indoor
1000 TL3 indoor

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

Your retailer