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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.



blueplanet
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

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