



Big is powerful.

The central inverter blueplanet 2200 TL3 outdoor.

The new blueplanet 2200 TL3 outdoor has been designed with the economic development of utility-scale PV installations in mind.

The central inverter features the protection class NEMA 3R for outdoor installation. It is also available as part of an Integrated Power Station (IPS). It caters for the growing need for fast and efficient execution of large-scale solar farms. Inverters, medium voltage transformer and balance of system equipment are mounted together on a single base plate, to create a ready-to-use, functional unit. Plus, the skid offers extra space for additional equipment such as monitoring accessories, weather stations, or tracker control units.

The blueplanet 2200 TL3 outdoor provides unique user-friendliness – irrespective of whether you operate it locally or by means of remote access over the Internet. The inverter is equipped with fully digital control and communicates via Sunspec Modbus TCP and RTU protocol, among others. The user interface consists of a large, graphical color LCD with touch panel. Your advantages are:

- easy operation, quick maintenance
- multiple options for monitoring, control and communication
- activation of country-specific settings at the push of a button.

This adds up to smooth, cost-effective installation and commissioning of the

blueplanet 2200 TL3 outdoor. Once in operation, your investment security has top priority: The efficiency reaches outstanding 98.3%. In addition, the inverter delivers its full rated power in a ambient temperature range of -20 to +50 °C, making it suitable for use in desert-like as well as cold climates.



blueplanet 2200 TL3 outdoor

98.3% maximum efficiency for
highest yields

NEMA 3R enclosure for outdoor use

Three power stacks for high
availability

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

Continuous, remote monitoring

7" color TFT LCD with touch panel
for convenient operation

Sunspec Modbus TCP and RTU for
flexible monitoring and control

Turnkey solution available with
inverters, disconnection units,
transformer, and accessories

Electrical data	2200 TL3 OD
DC input	
MPP range	550 V ... 830 V
Operating range	550 V ... 1 000 V
No-load voltage	1 000 V
Max. input current	3 818 A
Number of DC inputs	24 (250 A DC fuse) 18 (400 A DC fuse)
AC output	
Max. output power / rated power	2 200 kVA / 2 000 kW ¹⁾
Voltage to external transformer	3 x 370 V (+/-10 %)
Max. output current	3 468 A
Rated frequency	50 Hz / 60 Hz
cos phi	0 inductive ... 0 capacitive (adjustable)
General electrical data	
Max. efficiency	98.3 %
CEC efficiency	98.0 %
Internal consumption operation	< 1% of rated power (2 000 W)
Internal consumption standby	< 150 W
Mechanical data	
Interfaces	Color TFT LCD with touchpanel 1 x RS485 / Ethernet / USB 1 user digital input / output
Protocol	Modbus TCP/RTU (with Sunspec), SOAP (Simple Object Access Protocol), KACO RS485 protocol
Ambient temperature	-20 °C ... +50 °C full rated power, no derating
Max. altitude above mean sea level	2 000 m ²⁾
Cooling	forced fan
Audible noise	< 70 db(A) ³⁾
Protection class	NEMA3R
H x W x D	2 150 x 3 400 x 1 400 mm
Weight	5 000 kg
Extras	
Ground fault detection	yes
Emergency stop	yes
Overvoltage protection	DC side type 2 / self-supply type 2 / Ethernet AC side optional
Certifications	
EMC	FCC Part 15 Class A
Grid compliance	UL1741-2010 IEEE1547, IEEE1547.1 CSA C22.2 No. 107.1

Conforms to the country-specific standards and regulations according to the country version that has been set.
¹⁾ 2 200 kVA@AC voltage ≥ 370 V, PV input ≥ 630 ²⁾ Power derating above MSL 2 000 m up to MSL 5 000 m
³⁾ Measured in 10m distance.

Your retailer