



Mega storage. Constant energy. Stable grid.

The bidirectional battery inverter blueplanet gridsave 1000 TL3.

KACO new energy is opening up a whole new dimension with the blueplanet gridsave 1000 TL3, a storage solution in the megawatt class. Public utilities, distribution system operators, EPCs and large businesses alike will profit from its grid management capabilities in order to balance generation and load of power networks.

The blueplanet gridsave 1000 TL3 is a bidirectional battery inverter with a rated power of 1,000 kVA. By charging and discharging batteries it provides static and dynamic grid support in order to regulate the frequency. It thus contributes to keep the grid operating reliably at every second.

The grid in question can be the national grid as well as a grid-tied power supply of a small town or industrial facility: The

size of the storage system is scalable according to requirements.

The blueplanet gridsave 1000 TL3 communicates via Modbus. This widespread interface allows for a large number of available controllers to manage the battery inverter. It can therefore easily meet individual requirements in the design of a storage system.

The blueplanet gridsave 1000 TL3 is compatible with all common battery technologies. Another advantage is the flexible composition of the energy mix: the blueplanet gridsave 1000 TL3 can handle conventional energy sources as well as wind and solar.

Speaking of solar, KACO new energy is your one-stop storage and PV provider when you make the economically and

ecologically sound decision for including PV into the energy mix. The Germany-based company has a track record of over 75 years of engineering expertise in solar PV inverter technology and is one of the few manufacturers with a full program of solutions from 250 watts right up to the megawatt class.

With this long-lasting experience come appropriate Operation and Maintenance Services for the entire life cycle of our inverters. A modular approach allows you to individually define the support you need in advance. Our field service is on stand-by any time, as well.



blueplanet gridsave 1000 TL3

Static and dynamic grid support

1,000 kVA rated power

Scalable system

AC-coupled

Various battery types possible

Modbus communication interface
for use with different controllers

Electrical data		blueplanet gridsave 1000 TL3 NEW
DC side		
DC input range		750 – 1100 V
Max. battery current		1 467 A
Number of DC inputs		4
AC side		
Max. output power / rated power		1 000 kVA / 1 000 kW
Voltage to external transformer		3 x 440 V (+/- 10%)
Max. output current		1 312 A
THD		< 3 %
Cos phi		> 0.01
General electrical data		
Max. efficiency inverter		98.2 %
Internal consumption		< 1 % of rated power
Inverter control		external controller
Mechanical data		
Interfaces		TFT LCD display with touchpanel, RS485 / Ethernet / USB, 1 user digital input / output
Protocol		Modbus TCP/IP, Modbus RTU, CAN
Ambient temperature		-20 ... +40 °C full rated power, no derating
Cooling		fan
Audible noise		< 70 db(A)
Protection class		IP21
H x W x D		2 030 x 4 000 x 700 mm
Weight		2 940 kg
Supported functions		
Operation mode		
Constant current		yes
Constant power		yes
Static grid support		
Active power related frequency P(f)		yes
Reactive power related voltage Q(U)		yes
Dynamic grid support		
FRT		yes
Certifications		
Safety		EN61000-6-2, EN61000-6-4, EN61000-3-3, EN61000-3-12
Marking		CE

Your retailer