

blueplanet gridsave 1 000 TL3

Bidirectional battery inverter.



Mega storage. Constant energy. Stable grid.

Static and dynamic grid support

AC-coupled

Ethernet (Modbus TCP)

Scalable system

Various battery types possible

On-grid operation

Technical Data

DC input data		gridsave 1000 TL3
Max. recommended PV generator power		n.a.
MPP range		n.a.
Operating range		750 – 1 100 V
Rated DC voltage / start voltage		875 V / 700 V
Max. no-load voltage		n.a.
Max. input current		1 467 A
Max. short circuit current $I_{sc\ max}$		n.a.
Number of MPP tracker		+6, -6
Connection per tracker		n.a.
AC output data		
Rated output		1 000 000 VA
Max. power		n.a.
Line voltage		3 x 440 V ($\pm 10\%$)
Voltage range (Ph-Ph)		n.a.
Rated frequency (range)		50 Hz / 60 Hz (47 Hz to 63 Hz)
Rated current		3 x 1 312 A @ 380 V
Max. current		3 x 1 458 A
Reactive power / cos phi		$\pm 0 - 1$ (adjustable)
Max. total harmonic distortion (THD)		$\leq 3\%$ at rated power
Number of grid phases		3
General data		
Max. efficiency		97.9 %
Europ. efficiency		98.2 % (max.)
CEC efficiency		98.0 %
Standby consumption		< 1 % of rated power
Circuitry topology		transformerless
Mechanical data		
Display		HMI (with 4.3" color TFT LCD with touch panel)
Control units		n.a.
Interfaces		Ethernet (Modbus/TCP)
Fault signalling relay		n.a.
DC connection		cable lug, max. 240 mm ² x 2 (channel 6)
AC connection		cable lug, max. 240 mm ² x 4
Ambient temperature		-20 °C – +40 °C
Humidity		0 – 95 % (non condensing)
Max. installation elevation (above MSL)		< 2 000 m
Min. distance from coast		n.a.
Cooling		Forced fan
Protection class		IP21
Noise emission		< 70 db (A)
H x W x D		2 050 x 4 000 x 700 mm
Weight		2 940 kg
Certifications		
Safety		EN61000-6-2, EN61000-6-4, EN 610003-3, EN61000-3-12, SGSF-04-2012-07
Grid connection rule		overview see homepage / download area