

blueplanet gridsave 250 TL3

Bidirectional battery inverter.



Clean energy for stable grids.

Peak shaving and peak shifting

Reactive power control

Lithium-Ion battery system

On-grid operation

AC-coupled, scalable

Ethernet (Modbus TCP)

Transformerless

98.2% efficiency

Technical Data

DC input data		gridsave 250 TL3
Max. recommended PV generator power		n.a.
MPP range		n.a.
Operating range		630 – 830 V
Rated DC voltage / start voltage		706 V / 700 V
Max. no-load voltage		n.a.
Max. input current		445 A
Max. short circuit current $I_{sc\ max}$		n.a.
Number of MPP tracker		+2, -2
Connection per tracker		n.a.
AC output data		
Rated output		250 000 VA
Max. power		n.a.
Line voltage		3 x 380 V (12 %, +10 %)
Voltage range (Ph-Ph)		n.a.
Rated frequency (range)		50 Hz / 60 Hz (47 Hz to 63 Hz)
Rated current		3 x 380 A @ 380 V
Max. current		3 x 432 A
Reactive power / cos phi		± 0 – 1 (adjustable)
Max. total harmonic distortion (THD)		≤ 3 % at rated power
Number of grid phases		3
General data		
Max. efficiency		97.8 %
Europ. efficiency		98,2 %
CEC efficiency		98.0 %
Standby consumption		≤ 100 W
Circuitry topology		transformerless
Mechanical data		
Display		TFT-LCD with Touch Screen (7inch)
Control units		n.a.
Interfaces		Ethernet (Modbus/TCP)
Fault signalling relay		n.a.
DC connection		cable lug, max. 240 mm ² (channel 2)
AC connection		cable lug, max. 185 mm ² x 2
Ambient temperature		-20 °C – +50 °C
Humidity		0 – 95 %
Max. installation elevation (above MSL)		< 2 000 m
Min. distance from coast		n.a.
Cooling		Forced fan
Protection class		IP20
Noise emission		< 70 db (A)
H x W x D		2 120 x 1 200 x 1 070 mm
Weight		1 000 kg
Certifications		
Safety		SPS-SGSF-025-4-1972
Grid connection rule		overview see homepage / download area