

# blueplanet gridsave 92.0 TL3-S

Bidirectional battery inverter  
for commercial and industrial energy storage.



## Energy storage. Easy-going.

Introducing SiC semiconductor modules on the storage market

Optimised thermal behaviour for hot climates

High efficiency, also in the partial load range

High system flexibility, AC parallel operation possible

Reactive power capable

Easy to control through open communication standard

Pre-charge version and other variants available



## Technical Data

<b>DC input data</b>		<b>gridsave 92.0 TL3-S</b>
Voltage range		668 - 1100 V
Max. input current		145 A
Max. short circuit current $I_{sc\ max}$		300 A
Number of DC inputs		1
<b>AC output data</b>		
Rated output		92 000 VA
Max. power		92 000 VA
Line voltage		400 V
Rated frequency (range)		50 Hz / 60 Hz (45 Hz - 65 Hz)
Rated current		3 x 132.3 A
Max. current		3 x 132.3 A
Reactive power / cos phi		0 - 100 % Smax / 0.30 ind. - 0.30 cap.
Max. total harmonic distortion (THD)		<=3 %
Number of grid phases		3
<b>General data</b>		
Max. efficiency		98.8 %
Operation mode		on-grid (charge / discharge)
DC parallel operation		yes, 2 (coming soon)
Communication		TCP / IP, Modbus TCP based on Sunspec
Standby consumption		<10 W
Protective functions		overvoltage, overcurrent, overload, overheating, undervoltage
Circuitry topology		transformerless
<b>Mechanical data</b>		
Display		LEDs
Control units		webserver
Interfaces		Ethernet, USB
Fault signalling relay		potential-free NOC max. 30 V / 1 A
DC connection		cable lug
AC connection		screw terminal, max. 240 mm <sup>2</sup> Cu or Al
Ambient temperature		-20 °C - +60 °C <sup>1)</sup>
Humidity		0 - 100 %
Max. installation elevation (above MSL)		3 000 m
Min. distance from coast		500 m
Cooling		temperature controlled fan
Protection class		IP66 / NEMA 4X
Noise emission		59.3 db (A)
H x W x D		719 x 699 x 450 mm
Weight		84 kg

Grid voltage  $U_{AC}$ , min. battery voltage  $U_{DCmin}$  and min. starting voltage  $U_{DCstartmin}$  are dependent of each other; 668V @ 230V  
<sup>1)</sup>Power derating at high ambient temperatures

Versions	M	L	XL
Pre-charge	-	✓	✓
DC fuse	✓	✓	✓
DC load relay +	-	✓	✓
DC load relay -	-	-	✓