

SIMPLE. SMART. STRONG.

PRELIMINARY

The three-phase string inverter blueplanet 125 TL3 | 1500 V



blueplanet 125 TL3



1500 Volts input voltage



Low weight of less than 160 pounds (70 kg) to facilitate wall mounting



99.0 % Max. efficiency
98.5 % CEC efficiency
98.5 % European efficiency



NEMA 4X (IP65) aluminum housing for outdoor usage



Up to 50 % inverter oversizing possible



2 Ethernet interfaces for remote maintenance



Mobile app for wireless start-up



Made in Germany

Technical Data

DC input data	blueplanet 125 TL3 PRELIMINARY
Max. recommended PV generator power	187 500 W
MPP range	875 - 1 300 V
Operating range	875 - 1 450 V
Rated DC voltage/start voltage	900 V / 975 V
Max. no-load voltage	1 500 V
Max. input current	150 A
Max. short circuit current $I_{sc \max}$	300 A
Number of MPP tracker	1
Connection per tracker	1
AC output data	
Rated output	125 000 VA
Max. power	130 000 VA
Line voltage	346 V / 600 V (3 P + PE)
Voltage range (Ph-Ph)	480 - 760 V
Rated frequency (range)	50 Hz / 60 Hz (42 - 68 Hz)
Rated current	3 x 120.3 A
Max. current	3 x 127.5 A
Reactive power/cos phi	0 - 100 % S_{max} / 0.3 ind. - 0.30 cap.
Max. total harmonic distortion (THD)	≤ 3.0 %
Number of grid phases	3
General data	
Max. efficiency	~ 99.0 %
CEC efficiency	~ 98.5 %
Europ. efficiency	~ 98.5 %
Standby consumption	< 10 W
Circuitry topology	transformerless
Mechanical data	
Display	LEDs
Control units	web server, Mobile App
Interfaces	Ethernet, USB, RS485, optional: 4-DI, WiFi
Fault signalling relay	potential-free NOC max. 30 V / 1 A
DC connection	cable lug, max. 0.372 in ² (240 mm ²) Cu or Al
AC connection	cable lug, max. 0.372 in ² (240 mm ²) Cu or Al
Ambient temperature	-13 °F ... 140 °F (-25 °C ... +60 °C) ¹⁾ *
Humidity	0 - 100 %
Max. installation elevation (above MSL)	3 000 m
Min. distance from coast	2 000 m / 500 m (OD+ version)
Cooling	forced convection
Protection class	NEMA 4X (IP65)
Noise emission	< 69 db(A)
H x W x D	27.6 x 27.6 x 17.7 inches (700 x 700 x 450 mm)
Weight	< 160 lbs (<70 kg)
Certifications	
Safety	UL62109-1, UL1741, CSA-C22.2 No. 62109-1, CSA-C22.2 No. 62109-2, CSA-C22.2 No. 107.1 IEC 62109-1/-2, EN 61000-6-1/-2/-3, EN 61000-3-11/-12
Grid connection rule	overview see homepage/download area

¹⁾ Power derating at high ambient temperatures.