

PRELIMINARY

blueplanet 60.0 NX3

String inverters for commercial
and industrial PV systems



Next generation, new freedom.

Very flexible due to 1100 V
no-load voltage and 4 / 6 MPP
trackers

High efficiency through silicon
carbide technology

Special properties for extreme
environmental conditions

Lean commissioning and updates
via remote services

Compatible with bifacial and high
power modules



DC input data		60.0 NX3
Max. recommended PV generator power		84 000 W
MPP range		550 – 850 V
Operating range		200 – 1000 V
Rated DC voltage / start voltage		550 V / 250 V
Max. no-load voltage		1100 V
Max. input current		6 x 30 A
Max. short circuit current $I_{sc\ max}$		6 x 37.5 A
Number of MPP tracker		6
Connection per tracker		2
Max. input power per tracker		12 500 W
AC output data		
Rated output		60 000 VA
Max. power		63 000 VA
Line voltage		230 V / 400 V (3 / N / PE) 220 V / 380 V (3 / N / PE)
Voltage range (Ph-Ph)		304 – 480 V
Rated frequency (range)		50 Hz / 60 Hz (45 – 65 Hz)
Rated current		3 x 87.0 A @ 400 V 3 x 90.9 A @ 380 V
Max. current		3 x 91.3 A
Reactive power / cos phi		0.80 ind. – 0.80 cap.
Max. total harmonic distortion (THD)		3 %
Number of grid phases		3
General data		
Max. efficiency		98.8 %
Europ. efficiency		98.5 %
Standby consumption		1.5 W
Circuitry topology		transformerless
Mechanical data		
Display		LEDs
Control units		6 x DC switch
Interfaces		Ethernet, USB, RS485
Fault signalling relay		potential-free NOC max. 30 V / 1 A
DC connection		DC plugs
AC connection		screw terminals max 95 mm ²
Ambient temperature		-20 °C – +60 °C ¹⁾
Humidity		0 – 95 %
Max. installation elevation (above MSL)		2 000 m
Min. distance from coast		500 m
Cooling		temperature controlled fan
Protection class		IP65
Noise emission		< 65 db (A)
H x W x D		553 x 760 x 325 mm
Weight		60kg
Certifications		
Safety		EN 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

Additionally options	60.0 NX3
SPD T1+T2	✓
AFCI	✓