



blueplanet 360 NX3

FIRST HIGH POWER MULTI-MPPT
800 VAC PV-INVERTER FOR UTILITY
BY GERMAN COMPANY

Pushing the limits.

Up to 75A per MPPT, ideal for bifacial and large area PV modules

Smart I-V Curve Diagnosis,
Improve O&M efficiency

String-level management

Type II surge protection for
DC & AC

Integrated DC switch,
automatically cut off the fault

Q at night function (optional)

IP66 rated design for outdoor use

Smart Connector-level Detection

Quick setup and commissioning
tool

Target Technical Data. 360 NX3

| DC input data | 360 NX3 |
|---|---|
| MPP range | 500 - 1500 V |
| Rated DC voltage / start voltage | 1080 V / 550 V |
| Max. no-load voltage | 1500 V |
| Max. input current | 6 * 75 A |
| Max. short circuit current I _{sc} max. | 6 * 113 A |
| Number of MPP tracker | 6 |
| Connection per tracker | 5/5/5/5/5/5 |
| DC output data | |
| Rated output | 363 000 VA @30°C / 333 000 VA @40°C |
| Max. power | 363 000 VA |
| Line voltage | 800 V (3P + PE) |
| Voltage range (Ph-Ph) | 640 - 920 V |
| Rated frequency (range) | 50 Hz / 60 Hz |
| Rated current | 262 A |
| Max. current | 262 A |
| Reactive power / cos phi | 0.6 overexcited to 0.6 underexcited |
| Max. total harmonic distortion (THD) | < 3 % |
| Number of grid phases | 3 |
| General data | |
| Max. efficiency | 99.01 % |
| Europ. Efficiency | 98.52 % |
| Standby consumption | < 6 W (night) |
| Circuitry topology | transformerless |
| Anti-PID | yes ● |
| Tracker interface | yes ● |
| I-V Curve Diagnosis | yes ● |
| Mechanical data | |
| Display | LED |
| Control units | mobile devices (App) |
| Interfaces | RS485, PLC, Bluetooth |
| DC connection | plug in connector |
| AC connection | OT/DT connector |
| Ambient temperature | -30 °C – +60 °C |
| Humidity | 100 % |
| Max. installation elevation (above MSL) | 5 000 m |
| Climatic category (according to IEC 60721-3-4) | 4K4H |
| Cooling | forced air |
| Protection class | IP66 |
| H x W x D | 1080 mm x 780 mm x 385 mm |
| Weight | ≤ 117 kg |
| Certifications | |
| Safety & Grid | CE, IEC62109-1/2, IEC61727, IEC61683, NB/T 32004 50549-10 / EN 50549-2 inc. A1:2023 / AR-N-VDE 4110 / AR-N-VDE 4120 / TOR Erzeuger B - D Version 1.3:2024 / NA/EEA-NE3-5 – CH 2022 / EN 50549-2 & EN 50549-10 french deviation / more information see homepage or download area |