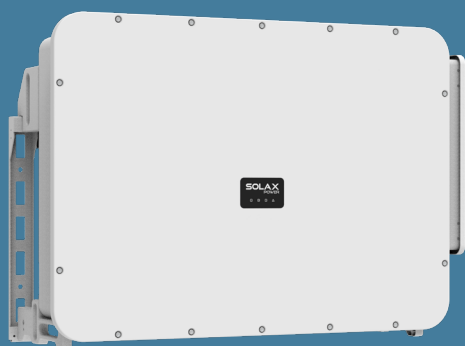


NEW FROM SOLAX

X3-GRAND HV



X3-GRAND HV
300kW / 320kW
333kW / 350kW

Features

More energy harvest

- Maximum efficiency up to 99%
- 460~1500 Vdc MPPT voltage range
- Maximum 6 MPPTs, 5 strings per MPP tracker
- Maximum 75A MPPT current

Safety & Reliability

- IP66 protection level and NEMA4X for US
- AFCI protection (Optional)
- AC terminal temperature detection
- Both AC&DC SPDs(Type II) inside, Type I+II SPD is optional

Intelligence for easy maintenance and economy

- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- Power line communication(PLC)(Optional)

Contact Us for More Information

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| | X3-GRD-300K-HV | X3-GRD-320K-HV | X3-GRD-333K-HV | X3-GRD-350K-HV |
|---|---------------------------------|---------------------------------|---|---------------------------------|
| DC Input | | | | |
| Max. PV input voltage | | | 1500V | |
| Nominal input voltage | | | 1080V | |
| Start-up voltage | | | 500V | |
| MPPT voltage range | | | 460~1500V | |
| Max. PV input current per MPPT | | | 75A | |
| Max. input short circuit current I _{sc} per MPPT | | | 115A | |
| No. of MPP trackers | | | 6 | |
| Strings per MPP tracker | | | 5 | |
| AC Output | | | | |
| Rated AC output power | 300kVA | 320kVA | 333kVA | 352kVA |
| Rated AC output current | 216.6A | 231A | 240A | 254A |
| Max. AC output apparent power | 330kVA | 352kVA | 333kVA | 352kVA |
| Max. AC output current | 238.2A | 254A | 254A | 254A |
| Nominal AC voltage | 3W+PE,800V | 3W+PE,800V | 3W+PE,800V | 3W+PE,800V |
| AC voltage range | 640-920V | 640-920V | 640-920V | 640-920V |
| Nominal AC frequency | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| Power Factor range | >0.99 (0.8 leading-0.8 lagging) | >0.99 (0.8 leading-0.8 lagging) | >0.99 (0.8 leading-0.8 lagging) | >0.99 (0.8 leading-0.8 lagging) |
| THDi (Rated power) | <1% | <1% | <1% | <1% |
| EFFICIENCY | | | | |
| Max. efficiency | | | 99% | |
| European weighted efficiency | | | 98.80% | |
| GENERAL | | | | |
| Dimensions (WxHxD) | | | 1145.5*806*405mm | |
| Net weight | | | <120kg | |
| Topology | | | Transformerless | |
| Standby consumption (night) | | | <15W | |
| Operating ambient temperature range | | | -30 ~ +60°C | |
| Relative humidity | | | 0-100% | |
| Ingress protection | | | IP66 / NEMA4X | |
| Cooling concept | | | Smart fan-cooling | |
| Max. operation altitude | | | 4000m | |
| DC connection | | | MC4 (Max.6 mm ²) | |
| AC connection | | | OT/DT terminal(Max.400 mm ²) | |
| Display | | | LED, LCD(Optional), APP | |
| Communication | | | RS485/USB/(Optional: WiFi/LAN/4G/PLC)/DI/Sunspec/2030.5/Modbus_RTU/Modbus_TCP | |
| PROTECTION | | | | |
| DC switch | | | Yes | |
| DC reverse protection | | | Yes | |
| Over current protection | | | Yes | |
| Over voltage protection | | | Yes | |
| Anti-islanding protection | | | Yes | |
| SPD (DC/AC) | | | Type II (Optional: Type I+II) | |
| Arc-fault circuit interrupter(AFCI) | | | Optional | |
| AC terminals over temperature detection | | | Yes | |
| Nighttime SVG | | | Yes | |
| Fan self-cleaning | | | Yes | |
| AC auxiliary power supply(APS) | | | Yes | |
| Power line communication(PLC) | | | Optional | |