



X3-Pro

8.0kW~15.0kW

THREE PHASE INVERTERS



Features:

- Secure & reliable with software and hardware protection
- Maximum efficiency up to 98.3%, Euro efficiency up to 97.8%
- Wide MPPT voltage range & Two independent MPPT (three strings)
- High protection class - IP65 (indoor/outdoor use)
- Multiple protections: Over voltage / under voltage, earth protection, anti-islanding, overload, over temperature and RCD protection, etc.

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X3-8.0P-T-D(N)

X3-10.0P-T-D(N)

X3-12.0P-T-D(N)

X3-15.0P-T-D(N)

| INPUT (PV) | | | | |
|---|--|---------------|---------------|----------------|
| Max.DC power[W] | A:3200/B:6400 | A:4000/B:8000 | A:4800/B:9600 | A:6000/B:12000 |
| Max.DC voltage[V] | 1000 | 1000 | 1000 | 1000 |
| Nominal DC operating voltage[V] | 600 | 600 | 600 | 600 |
| Max. input current(input A/input B)[A] | 10/20 | 10/20 | 10/20 | 10/20 |
| Max. short circuit current(input A/inputB)[A] | 12/24 | 12/24 | 12/24 | 12/24 |
| Operating voltage range[V] | 160-950 | 160-950 | 160-950 | 160-950 |
| MPPT voltage range[V] | 160-850 | 160-850 | 160-850 | 160-850 |
| MPPT voltage range[V](full load) | 282-800 | 349-800 | 416-800 | 516-800 |
| Start up DC voltage[V] | 140 | 140 | 140 | 140 |
| Start output DC voltage[V] | 180 | 180 | 180 | 180 |
| Shut down DC voltage[V] | 100 | 100 | 100 | 100 |
| No. of MPP trackers | 2 | 2 | 2 | 2 |
| Strings per MPP tracker | A:1/B:2 | A:1/B:2 | A:1/B:2 | A:1/B:2 |
| DC disconnection switch | optional | optional | optional | optional |
| OUTPUT (AC) | | | | |
| Nominal AC power[VA] | 8000 | 10000 | 12000 | 15000 |
| Max. apparent AC power[VA] | 8000 | 10000 | 12000 | 15000 |
| Rated grid voltage(AC voltage range)[V] | 3/N/PE, 230/400(310-480) | | | |
| Rated grid Frequency[Hz] | 50/60;+ -5 | | | |
| Nominal AC current[A] | 11.6 | 14.5 | 17.4 | 21.7 |
| Max. AC current[A] | 12.8 | 16.0 | 19.2 | 23.8 |
| Displacement power factor | 0.8leading-0.8lagging | | | |
| Total harmonic distortion[%](THDi, rated power) | <3 | <3 | <3 | <3 |
| EFFICIENCY | | | | |
| MPPT efficiency | 0.999 | | | |
| Euro-efficiency | 0.978 | | | |
| Max. efficiency | 0.983 | | | |
| POWER CONSUMPTION | | | | |
| Night consumption[W] | <3 | | | |
| STANDARD | | | | |
| Safety | EN62109-1/-2 | | | |
| EMC | EN61000-6-1;EN61000-6-2;EN61000-6-3 | | | |
| Certification | VDE4105 AS/NZS4777.7 NB/T32004 EN50438 IEC61727 EN61000-6-1 EN61000-6-2 EN61000-6-3 | | | |
| ENVIRONMENT LIMIT | | | | |
| Protection class | IP65 | | | |
| Operating temperature range[°C] | -25~+60(derating at 45) | | | |
| Humidity[%] | 0~100 | | | |
| Altitude[m] | 2000 | | | |
| Storage temperature[°C] | -25~60 | | | |
| Noise emission(typical)[dB] | <45 | | | |
| Over voltage category | III(electric supply side), II(PV side) | | | |
| GENERAL | | | | |
| Dimensions(WxHxD) [mm] | 534*419*179 | | | |
| Gross Weight [kg] | 32 | | | |
| DC input type | MC4 | | | |
| AC input type | Quick plug terminal | | | |
| Cooling concept | TBD | | | |
| Buzzer | YES | | | |
| Topology | Transformerless | | | |
| Earth fault alarm | Yes | | | |
| Communication | RS485 /Meter (optional)/DRM / Pocket wifi(optional) / Pocket Lan (optional)/ Pocket GPRS(optional)/USB/ Remote upgrade | | | |
| LED | 3 | | | |
| LCD display | Backlight 16*4 character | | | |
| Warranty[year] | 5/10(optional) | | | |

*Can be modified without notice.(V1)