



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)
- Enclosure Rating-IP65
- Multiple protections: Over voltage / under voltage, earth protection, anti-islanding, overload, over temperature and RCD protection, etc.



X3-PRO (THREE PHASE)

99 525 16

X3-8.0P

INPUT (DC)

Max.PV array power [Wp]	A:3200/B:6400
Max.DC voltage [V]	1000
Nominal DC operating voltage [V]	600
Max. input current [A]	10/20
Max. short circuit current [A]	12/24
MPPT voltage range[V]	160-850
Start operating voltage[V]	180
No. of MPP trackers	2
Strings per MPP tracker	A:1/B:2

OUTPUT AC

Nominal AC power [VA]	8000
Max. AC power [VA]	8000
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 230/400(310-480)
Nominal grid frequency/range [Hz]	50/60;±5
Nominal AC current [A]	11.6
Max. AC current [A]	12.8
Displacement power factor	0.8leading-0.8lagging
THDi, rated power [%]	<3

EFFICIENCY

MPPT efficiency [%]	99.9
Euro efficiency [%]	97.8
Max. efficiency [%]	98.3

POWER CONSUMPTION

Standby consumption [W]	<3
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STANDARD

Over voltage protection	YES
Over current protection	YES
DC isolation impedance monitoring	YES
Ground fault current monitoring	YES
DC injection monitoring	YES
RCD protection	YES
Safety	EN62109-1/-2
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3; EN61000-3-12; EN61000-3-11
Certification	VDE4105; AS/NZS4777.7; NB/T32004; EN50438; IEC61727

ENVIRONMENT LIMIT

Degree of protection(according to IEC60529)	IP65
Operating temperature range [°C]	-25~+60(derating at 45)
Max. operation altitude [m]	2000
Humidity [%]	0~100,condensing
Storage temperature [°C]	-25~60
Typical noise emission [dB]	<45

DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	534*419*179
Weight[kg]	32
Cooling concept	Forced-cooling
Topology	Transformerless
Communication interfaces	RS485 /Meter (optional)/DRM / Wifi(optional) / LAN (optional)/ GPRS(optional)/USB-Upgrade
LCD display	Backlight 16*4 character
Standard warranty [years]	5/10(optional)