



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 & Three independent MPPT 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[°C]	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/ RF(optional)/Remote upgrade			
LED	3			
LCD display	Backlight 16*4 character			
Warranty[year]	5/10(optional)			

*Can be modified without notice.(V1)