

X3-PRO

T: Dual MPPT
D: With DC switch N: Without DC switch

THREE PHASE
ON-GRID INVERTER

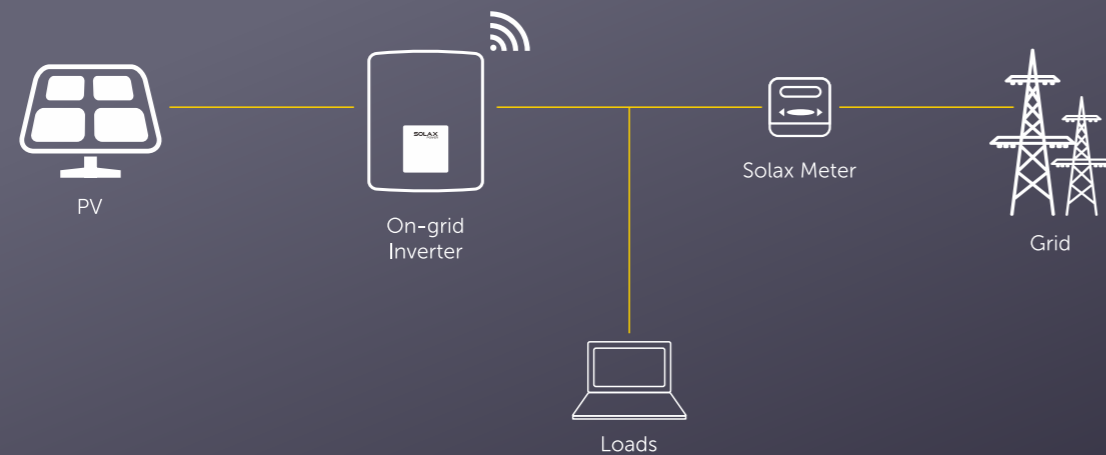
8.0~15.0kW



Features

- Max. DC input 1000V
- IP65 protection level
- Remote upgrade and control
- 150% oversized PV power
- 110% Max. apparent AC power
- Working temperature -25°C~60°C
- Zero injection supported

SOLUTION DESIGN



X3-PRO

THREE PHASE

X3-8.OP-T-D
X3-8.OP-T-N

X3-10.OP-T-D
X3-10.OP-T-N

X3-12.OP-T-D
X3-12.OP-T-N

X3-15.OP-T-D
X3-15.OP-T-N

DC INPUT

Max. PV array input power [Wp]	12000	15000	18000	22500
Max. PV input voltage [V]	1000	1000	1000	1000
Start startup voltage [V]	140	140	140	140
Nominal input voltage [V]	600	600	600	600
MPP tracker voltage range [V]	160~850	160~850	160~850	160~850
No. of MPP trackers/Strings per MPP tracker	2(1/2)	2(1/2)	2(1/2)	2(1/2)
Max. input current(input A/input B) [A]	12/24	12/24	12/24	12/24
Max. short circuit current(input A/input B) [A]	14/28	14/28	14/28	14/28

AC OUTPUT

Nominal AC output power [W]	8000	10000	12000	15000
Nominal AC output current [A]	11.6	14.5	17.4	21.7
Max. AC output apparent power [VA]	8800	11000	13200	16500
Max. AC output current [A]	12.8	15.9	19.1	23.9
Nominal AC voltage [V]	3/N/PE, 230/400(310~480)			
Nominal grid frequency/Grid frequency range [Hz]	50/60; ±5			
Displacement power factor	0.8 leading~0.8 lagging			
THDi, rated power [%]	<3			

SYSTEM DATA

Max. efficiency [%]	98.30	98.30	98.30	98.30
Euro. efficiency [%]	97.80	97.80	97.80	97.80
Standby consumption [W] @Night	<3			
Degree of protection	IP65			
Operating temperature range [°C]	-25~60 (derating at 45)			
Max. operation altitude [m]	2000			
Humidity [%]	0~100			
Typical noise emission [dB]	<45			
Storage temperature [°C]	-25~60			
Dimensions(WxHxD) [mm]	534*419*179			
Weight [kg]	32			
Cooling concept	Forced airflow			
Communication interfaces	RS485 /Meter (optional)/DRM / Pocket wifi(optional) / Pocket Lan (optional)/ Pocket GPRS (optional)/USB/ RF(optional)/Remote upgrade			

PROTECTION

Over/under voltage protection	YES
DC isolation protection	YES
Monitoring ground fault protection	YES
Grid monitoring	YES
DC injection monitoring	YES
Back feed current monitoring	YES
Residual current detection	YES
Anti-islanding protection	YES
Over Temp protection	YES
SPD	YES

STANDARD

Safety	IEN/IEC62109-1/-2
EMC	EN61000-6-1/2/3/4;EN61000-3-2/3/11/12
Certification	VDE4105; AS4777; EN50549; IEC61727