

X3-PRO G2

THREE-PHASE
ON-GRID INVERTER

8~30kW



Features

High-efficiency

- Maximum efficiency is up to 98.5%
- Low startup voltage, ultrawide MPPT voltage range
- 150% oversizing, 110% overloading output
- Built-in shadow tracking function

Safe

- SPD type II protection both AC&DC
- ARC protection (Optional)
- IP66 protection

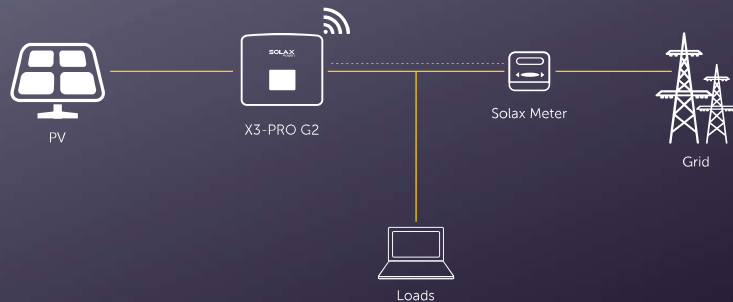
Smart

- Built-in export power control
- Intelligent load management - heat pump (Optional)
- 24 hours operation monitoring
- Multiple monitoring methods, Pocket WiFi/LAN/4G (Optional)

Economic

- Ultra-high power density
- Maximum 16A DC input current, support high power solar panel
- Up to 3 MPPTs, 2 strings per MPPT

SOLUTION DESIGN



X3-PRO G2

THREE-PHASE

	X3 PRO-8K-G2	X3 PRO-10K-G2	X3 PRO-12K-G2	X3 PRO-15K-G2	X3 PRO-17K-G2	X3 PRO-20K-G2	X3 PRO-25K-G2	X3 PRO-30K-G2
DC INPUT								
Max. PV array input power [Wp]	12000	15000	18000	22500	25500	30000	37500	45000
Max. PV input voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100
Startup voltage [V]	200	200	200	200	200	200	200	200
Nominal input voltage [V]	650	650	650	650	650	650	650	650
MPP tracker voltage range [V]	160~980							
No. of MPP trackers	2	2	2	2	2	2	3	3
Strings per MPP tracker	2	2	2	2	2	2	2	2
Max. input current per MPPT [A]	32/32	32/32	32/32	32/32	32/32	32/32	32/32/32	32/32/32
Max. short circuit current per MPPT [A]	40/40	40/40	40/40	40/40	40/40	40/40	40/40/40	40/40/40
AC OUTPUT								
Nominal AC output power [W]	8000	10000	12000	15000	17000	20000	25000	30000
Nominal AC output current [A]	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	25.8/24.7	30.3/29	37.9/36.3	45.5/43.5
Max. AC output apparent power [VA]	8800	11000	13200	16500	18700	22000	27500	30000
Max. AC output current [A]	13.2	16	19.3	24.2	27.5	33.6	41.8	45.5
Nominal AC voltage[V]	220/380, 230/400, 3/N/PE, 3/PE							
Nominal grid frequency [Hz]	50/60							
Displacement power factor	0.8 leading ~ 0.8 lagging							
THDi (Rated power) [%]	<3							
SYSTEM DATA								
Max. efficiency [%]	98.20	98.20	98.20	98.30	98.30	98.30	98.50	98.50
Euro efficiency [%]	97.70	97.70	97.70	97.80	97.80	97.80	98.00	98.00
Standby consumption(Night) [W]	<3							
Ingress protection	IP66							
Operating temperature range [°C]	-30~+60 (Derating above 45)							
Max. operation altitude [m]	4000 (Derating above 3000)							
Relative humidity [%]	0~100							
Typical noise emission [dB]	<35	<35	<35	<55	<55	<55	<55	<58
Storage temperature [°C]	-30~+60							
Dimensions (W×H×D) [mm]	482×417×181							
Weight [kg]	24.5				26		28	
Cooling concept	Natural cooling				Smart fan cooling			
Communication interfaces	USB / RS485 / DRM / Pocket WiFi (Optional: Pocket LAN/4G) / Adapter box(Optional)							
PROTECTION								
Over/under voltage protection					YES			
DC isolation protection					YES			
Grid monitoring					YES			
DC injection monitoring					YES			
Residual current detection					YES			
Anti-islanding protection					YES			
Over Temp protection					YES			
SPD (DC/AC)					Type II / Type II			
ARC protection					Optional			
STANDARD								
Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004							
EMC	IEC/EN 61000: NB/T 32004							
Certification	VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068: EN 50530; NB/T 32004							

*V2.1. Information may be subject to modify without notice. 650.00004.00