



# NEW FROM SOLAX

## X3-HYBRID G4



### X3-Hybrid-D/M

5.0kW/6.0kW/8.0kW  
10.0kW/12.0kW/15.0kW

## Features

### High-efficient

- 200% PV oversized and up to 110% AC overload output
- Higher efficiency on charging and discharging, up to 97.5%
- Built-in shadow tracking function

### Economic

- 16A DC single string input current, support high power solar panel
- Up to 150% PV input
- Store the surplus energy from PV to battery
- Low start output voltage makes inverter longer working time
- Less energy loss on battery to inverter

### Intelligent

- Up to 150% EPS output for 60s
- Switchover time <10ms
- Quick configuration with U-disk
- Lithium-ion & Lead-acid battery compatible
- CT compatible, loads respond within 0.3s
- Intelligent loads management (e.g., Heat pump)
- On & Off-grid parallel function, up to 150kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market
- Three-phase unbalanced output Maximum 5kW output power on single phase at most

### Safe

- IP65 protection level
- Integrated SPD

### For More Informations Contact Us

www.solaxpower.com  
AU: +61 1300 476529  
DE: +49 6142 4091664

Global: +86 571-56260008  
UK: +44 2476 586998  
NL: +31 (0) 852 737932

info@solaxpower.com  
service@solaxpower.com





# X3-HYBRID G4 (THREE PHASE)

X3-HYBRID-5.0-D    X3-HYBRID-6.0-D    X3-HYBRID-8.0-D    X3-HYBRID-10.0-D    X3-HYBRID-12.0-D    X3-HYBRID-15.0-D  
X3-HYBRID-5.0-M    X3-HYBRID-6.0-M    X3-HYBRID-8.0-M    X3-HYBRID-10.0-M    X3-HYBRID-12.0-M    X3-HYBRID-15.0-M

## DC INPUT

Max. PV array power [Wp]	10000	12000	16000	20000	24000	30000
Max. PV input power (PV1+PV2) [Wp]	PV1:4000 / PV2:4000	PV1:5000 / PV2:5000	PV1:8500 / PV2:5000	PV1:10500 / PV2:6000	PV1:11000 / PV2:7000	PV1:11000 / PV2:7000
Max. PV input voltage [V]	1000	1000	1000	1000	1000	1000
Start output voltage [V]	200	200	200	200	200	200
Nominal input voltage [V]	640	640	640	640	640	640
MPP voltage range [V]	180 ~ 950	180 ~ 950	180 ~ 950	180 ~ 950	180 ~ 950	180 ~ 950
No. of MPP trackers / Strings per MPP tracker	2 (1 / 1)	2 (1 / 1)	2 (2 / 1)	2 (2 / 1)	2 (2 / 1)	2 (2 / 1)
Max. input current (input PV1 / input PV2) [A]	16 / 16	16 / 16	28 / 16	28 / 16	28 / 16	28 / 16
Max. short circuit current (input PV1 / input PV2) [A]	20 / 20	20 / 20	35 / 20	35 / 20	35 / 20	35 / 20

## AC INPUT & OUTPUT

Nominal AC output power [W]	5000	6000	8000	10000	12000	15000
Max. AC output apparent power [VA]	5500	6600	8800	11000	13200	15000
Max. AC output current [A]	8.1	9.7	12.9	16.1	19.3	24.1
Max. AC input apparent power [VA]	10000	12000	16000	20000	20000	20000
Max. AC input current [A]	16.1	19.3	25.8	32.0	32.0	32.0
Nominal AC voltage [V]	415 / 240; 400 / 230; 380 / 220					
Nominal grid frequency [Hz]	50 / 60					
Displacement power factor	0.8 leading ~ 0.8 lagging					
THDi (rated power) [%]	<3					

## BATTERY DATA

Battery type	Lithium-ion battery / Lead-acid Battery					
Battery voltage range [V]	180 ~ 800					
Max. continuous charge / discharge current [A]	30					

## EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)

Nominal output power [W]	5000	6000	8000	10000	12000	15000
Peak apparent power [VA]	7500,60s	9000, 60s	12000,60s	15000, 60s	15000, 60s	16500, 60s
Max.continuous current [A]	7.2	8.7	11.6	14.5	17.5	21.8
Nominal voltage [V]; Frequency [Hz]	400 / 230; 50 / 60					
Switch time [ms]	<10					
Parallel operation	YES					

## SYSTEM DATA

Max. efficiency [%]	98.0					
Euro. efficiency [%]	97.7					
Battery charge / discharge efficiency [%] <sup>①</sup>	98.5 / 97.5					
Degree of protection	IP65					
Operating temperature range [°C]	-35 ~ +60 (Derating above +45)					
Max. operation altitude [m]	<3000					
Relative humidity [%]	0 ~ 100					
Typical noise emission [dB]	<35			<45		
Storage temperature [°C]	-40 ~ +70					
Dimensions (WxHxD) [mm]	503x503x199					
Net weight [kg]	30					
Cooling concept	Nature cooling			Smart cooling		
Communication interfaces	CT/Meter (optional), External control RS485, Pocket WiFi (Optional: Pocket Lan/4G), DRM, USB Upgrade, NTC (optional)					

## POWER CONSUMPTION

Internal consumption (night) [W]	<40W for standby, <5W for idle					
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## STANDARD

Safety	EN/IEC62109-1/-2					
EMC	EN61000-6-1/2/3/4; EN61000-3-2/3/11/12					
Certification	VDE4105, G99, G98, AS4777, EN50549, CEI 0-21, IEC61727, PEA/MEA, NRS-097-2-1, RD1699, TOR					

①: PV to BAT Max. efficiency 98.5%, BAT to AC Max. efficiency 97.5%.

V2.3. Information may be subject to modify without notice. 650.00010.00