



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

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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 | 26 / 16 | 26 / 16 | 26 / 16 | 26 / 16 |
| Max. short circuit current (input PV1 / input PV2) [A] | 20 / 20 | 20 / 20 | 30 / 20 | 30 / 20 | 30 / 20 | 30 / 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 [%] ^① | 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 | | | | | |
|----------------------------------|--------------------------------|--|--|--|--|--|

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%.

V2.2. Information may be subject to modify without notice. 650.00010.00