NEW FROM SOLAX

X1-HYBRID G4

X1-Hybrid G4

3.0kW/3.7kW/5.0kW
6.0kW/7.5kW

Features

High-efficient

- 150% PV oversized and 110% overload output
- Maximum 120% overload output
- Higher efficiency on charging and discharging, up to 97.0%
- Built-in shadow tracking function

Economic

- Maximum 16A DC input current, support for high power solar panel
- 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

- Switchover time <10ms
- Quick configuration with U-disk
- Lithium & 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 15kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market

Safe

- IP65 protection level
- Integrated SPD

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For More Informations Contact Us

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X1-HYBRID G4 (SINGLE-PHASE)

	X1-HYBRID-3.0-D X1-HYBRID-3.0-M	X1-HYBRID-3.7-D X1-HYBRID-3.7-M	X1-HYBRID-5.0-D X1-HYBRID-5.0-M	X1-HYBRID-6.0-D X1-HYBRID-6.0-M	X1-HYBRID-7.5-D X1-HYBRID-7.5-M
DC INPUT					
Max. PV array input power [Wp]	4500	5500	7500	9000	10000
Max. PV input voltage [V]	600	600	600	600	600
Start output voltage [V]	90	90	90	90	90
Nominal input voltage [V]	360	360	360	360	360
MPP voltage range [V]	70~550	70~550	70~550	70~550	70~550
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)
Max. input current(input A/input B) [A]	16/16	16/16	16/16	16/16	16/16
Max. short circuit current(input A/input B) [A]	20/20	20/20	20/20	20/20	20/20
AC INPUT & OUTPUT					
Nominal AC output power [W]	3000	3680	5000	6000	7500
Max. AC output apparent power [VA]	3300	3680	5500	6600	7500
Max. AC output current [A]	14.4	16	23.9	28.6	32.6
Max. AC input apparent power [VA]	6300	7360	9200	9200	9200
Max. AC input current [A]	27.4	32	40	40	40
Nominal AC voltage [V]	230/240				
Nominal grid frequency [Hz]	50/60				
Displacement power factor	0.8 leading~0.8 lagging				
THDi (rated power) [%]	<2				
BATTERY DATA					
Battery type	Li-ion battery/Lead-Acid Battery(Under development)				
Battery voltage range [V]	80-480				
Max. continuous charge/discharge current [A]	30				
EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)					
Nominal output power [W]	3000	3680	5000	6000	7500
Peak apparent power [VA]	3600, 1h	3680	6000, 1h	7200, 10min	7500
Max. continous current [A]	13	16	21.7	26.1	32.6
Nominal voltage[V]; Frequency [Hz]	230; 50/60				
Switch time [ms]	<10				
Parallel operation	YES				
SYSTEM DATA					
Max. efficiency [%]	97.6				
Euro. efficiency [%]	97.0				
Battery charge/discharge effciency [%]*1	97.0/97.0				
Standby consumption [W] @Night	<3				
Degree of protection	IP65				
Operating temperature range [°C]	-35~+60 (Derating above 45°C)				
Max. operation altitude [m]	<3000				
Relative humidity [%]	0~100				
Typical noise emission [dB]	<30	<30	<30	<30	<45
Storage temperature [°C]	-40~+65				
Dimensions(W×H×D) [mm]	482×417×181				
Net weight [kg]	24	24	24	24	25
Cooling concept	Nature cooling	Nature cooling	Nature cooling	Nature cooling	Smart cooling
Communication interfaces	CT/ Meter(optional)/ External control Rs485/ Pocket WiFi(Optional: Pocket Lan/4G)/ DRM/ USB Upgrade/ NTC				
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/RD1699/NRS 097-2-1/PEA/MEA/VFR2019				

*1: PV to BAT Max. efficiency 97.0%, BAT to AC Max. efficiency 97.0%