

Three Phase  
Hybrid Inverter

# X3-Hybrid

High Voltage



*Simple.  
Reliable.  
Efficient*



3-phase  
Unbalance Output



High  
Efficiency



IP65  
Rated



Remote  
Monitoring

5kW

6kW

## X3-HYBRID-5.0T / X3-HYBRID-6.0T X3-HYBRID-8.0T / X3-HYBRID-10.0T

The new X-Hybrid 3-phase inverter from SolaX is the latest incarnation of the market leading range of hybrid inverters, offering a flexible and scalable solution for both domestic and commercial applications. The 3-phase series includes inverters ranging in size from 5 to 10kW, and with the ability to install multiple inverters in parallel, scalable battery storage for commercial applications is now a reality. The Inverter is equipped with EPS (Emergency Power Supply) function only when supported by extra changeover devices, had multiple communication options and can be controlled remotely.





# X3-HYBRID (THREE PHASE)

X3-HYBRID-5.0T

X3-HYBRID-6.0T

X3-HYBRID-8.0T

X3-HYBRID-10.0T

## INPUT (DC)

Max.PV array power [Wp]	7500	9000	12000	15000
Max.DC voltage [V]	1000	1000	1000	1000
Nominal DC operating voltage [V]	720	720	720	720
Max. input current (input A/input B) [A]	12/12	12/12	24/12	24/12
Max. short circuit current (input A/input B) [A]	14/14	14/14	28/14	28/14
MPPT voltage range[V]	180-950	180-950	180-950	180-950
Start operating voltage[V]	180	180	180	180
No. of MPP trackers	2	2	2	2
Strings per MPPT tracker	1/1	1/1	2/1	2/1

## INPUT AC

Max. apparent AC power[VA]	5000	6000	8000	10000
Max. AC current[A]	8.0	9.6	12.8	15.9
Nominal grid voltage(AC voltage range)[V]	400/230;380/220	400/230;380/220	400/230;380/220	400/230;380/220
Nominal grid Frequency/range[Hz]	50/60	50/60	50/60	50/60

## OUTPUT AC

Nominal AC power [VA]	5000	6000	8000	10000
Max. apparent AC power [VA]	5500	6600	8800	11000
Nominal grid voltage(AC voltage range) [V]	400/230;380/220			
Nominal grid frequency/range [Hz]	50/60			
Nominal AC current [A]	7.2	8.7	11.6	14.5
Max. AC current [A]	8.0	9.6	12.8	15.9
Displacement power factor	0.8 leading ... 0.8 lagging			
THDi, rated power [%]	<3			

## OUTPUT DC (BATTERY)

Battery voltage range [V]	160-800			
Max.continuous charge/discharge current [A]	25			
Communication interfaces	CAN/RS485			
Reverse connect protection	Yes			

## OFF-GRID OUTPUT (WITH BATTERY)

MAX. continuous apparent power [VA]	5000	6000	8000	10000
Rated voltage[V],Frequency [Hz]	400/230VAC;380/220VAC; 50/60			
MAX.continuous current [A]	7.2	8.7	11.6	14.5
Peak apparent power [VA] Duration[s]	<10000 60	<12000 60	<14000 60	<15000 60
Changeover time [s]	<1.5			
THDv, linear Load [%]	<2			

## EFFICIENCY

MPPT efficiency [%]	99.9			
Euro efficiency [%]	97.0			
Max. efficiency [%]	97.8			
Battery charge/discharge efficiency [%]	97.0/96.0	97.0/96.0	97.5/96.5	97.5/96.5

## POWER CONSUMPTION

Standby consumption (Night) [W]	<25 for hot standby, <3 for cold standby			
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## STANDARD

Safety	IEC62109-1/-2			
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3			
Certification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G98 / AS4777 / EN50549 / CEI 0-21 / and so on			

## ENVIRONMENT LIMIT

Degree of protection(according to IEC60529)	IP65			
Operating temperature range [°C]	-20 ~ +60 (derating at+45)			
Max. operation altitude [m]	<2000			
Humidity [%]	0~100 (condensing)			
Storage temperature [°C]	-20 ~ +60			
Typical noise emission [dB]	40			

## DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	457*654*228			
Weight[kg]	45			
Cooling concept	Natural			
Topology	Non-isolated			
Communication interfaces	Ethernet/Meter/Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/DRM/USB/ISO alarm/CAN/BMS/NTC			
LCD display	Backlight 20*4 character			
Standard warranty [years]	5-10			