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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 a built-in EPS (Emergency Power Supply), had multiple communication options and can be controlled remotely.

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X3-HYBRID HV (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]	A:3000/B:3000	A:4000/B:4000	A:6000/B:4000	A:8000/B:5000
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]	11/11	11/11	20/11	20/11
Max. short circuit current (input A/input B) [A]	14/14	14/14	23/14	23/14
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 MPP tracker	A:1/B:1	A:1/B:1	A:2/B:1	A:2/B:1
INPUT AC				
Max. apparent AC power[VA]	5000	6000	8000	10000
Max. AC current[A]	8.0	9.6	12.8	16.0
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]	5000	6000	8000	10000
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	16.0
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			
EPS OUTPUT (WITH BATTERY)				
EPS MAX. continuous apparent power [VA]	5000	6000	8000	10000
EPS rated voltage[V],Frequency [Hz]	400/230VAC;380/220VAC; 50/60			
EPS MAX.continuous current [A]	7.2	8.7	11.6	14.5
EPS 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]	50 in standby mode, 10 in idle mode			
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 (non-condersing)			
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			