

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.



Contact Us for More Information

Global: +90 312 439 5989

| info@ecoturkenerji.com



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			