

# NEW

From SolaX

# X-HYBRID THREE PHASE



[www.solaxpower.com](http://www.solaxpower.com)

## X-HYBRID THREE PHASE

The World's Leading Hybrid Inverter Just Got Better

- > Increased self-consumption
- > Less reliance on grid power
- > Charge batteries from grid for peak-time usage
- > Compatible with leading high-voltage batteries
- > High efficiency
- > Install inverters in parallel for scalability
- > Protect against power outages
- > Remote control function
- > IP65 rated
- > Unbalanced output supported
- > Generator interface



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, had multiple communication options and can be controlled remotely.

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### X3-Hybrid-5.0-T

### X3-Hybrid-6.0-T

### X3-Hybrid-8.0-T

### X3-Hybrid-10.0-T

	X3-Hybrid-5.0-T	X3-Hybrid-6.0-T	X3-Hybrid-8.0-T	X3-Hybrid-10.0-T
<b>Input (DC)</b>				
Max.recommended DC power[w]	6000	8000	10000	13000
Max.DC voltage[V]	1000	1000	1000	1000
Norminal DC operating voltage[V]	720	720	720	720
Max.input current[A]	11/11	11/11	11/11	20/11
Max. short circuit current[A]	14/14	14/14	14/14	23/14
MPPT voltage range[V]	230-800	280-800	370-800	330-800
No. of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	2/1
<b>OUTPUT (AC)</b>				
Norminal AC power [VA]	5000	6000	8000	10000
Max. AC power [VA]	5000	6000	8000	10000
Rated grid voltage(AC voltage range) [V]	400/230;380/220	400/230;380/220	400/230;380/220	400/230;380/220
Rated grid frequency [Hz]	50/60	50/60	50/60	50/60
Norminal AC current [A]	7.2	8.7	11.6	14.5
Max. AC current [A]	8.0	9.6	12.8	16
Displacement power factor	0.8 leading to 0.8 lagging			
Total harmonic distortion(THD, rated power)	<2%			
Parallel operation	Yes			
Load control	Yes (optional)			
<b>OUTPUT DC (BATTERY)</b>				
Battery voltage range [V]	170-500			
Recommended battery voltage [V]	200	240	320	400
Max.charging/discharging power [W]	6000	8000	10000	10000
Max.charging/discharging current [A]	25			
Communication interfaces	CAN/RS485			
Reverse connect protection	Yes			
<b>EPS OUTPUT (WITH BATTERY)</b>				
EPS rated power [VA]	5000	6000	8000	10000
EPS rated voltage [V], Frequency [Hz]	400/380, 50/60	400/380, 50/60	400/380, 50/60	400/380, 50/60
EPS rated current [A]	7.2	8.7	11.6	14.5
EPS peak power[W],Duration[s]	10000,60	12000,60	14000,60	16000,60
Switch time[s]	<0.5			
Total harmonic distortion(THD, linear load) [%]	<2			
Parallel operation	Yes			
<b>EFFICIENCY</b>				
MPPT efficiency [%]	99.90			
Euro efficiency [%]	97.00			
Max. efficiency [%]	97.80			
Battery charge/discharge efficiency [%]	97.60/96.00			
<b>POWER CONSUMPTION</b>				
Internal consumption(night) [W]	<7			
Idle mode	YES			
<b>STANDARD</b>				
Safety	IEC62109-1-2 / IEC62040			
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3			
Cetification	VDE0126-1-1 A1:2012 / VDE-AR-N 4105 / G83-2 / AS4777 / EN50438 / CEI 0-21/VDE 2510			
<b>ENVIRONMENT LIMIT</b>				
Protection class	IP65			
Operating temperature range [OC]	-20 to+60 (derating at+45)			
Altitude[m]	<2000			
Storage temperature[OC]	-20 to+60			
Noise emission(typical) [dB]	<30			
Over voltage category	III (electric supply side), II (PV side)			
<b>DIMENSION AND WEIGHT</b>				
Dimensions(WxHxD) [mm]	456*655*228			
Weight[kg]	40			
Cooling concept	Force-cooling			
Topology	Transformerless			
Communication	Ethernet, Meter, WIFI (optional), RF(optional), DRM, USB, ISO alarm, Parallel operation			
LCD display	Backlight 20*4 character			
Standard warranty [years]	5			