

NEW

From SolaX

X-HYBRID THREE PHASE

Available autumn 2016



www.solaxpower.com

X-HYBRID THREE PHASE

The World's Leading Hybrid Inverter Just Got Better

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.

- > 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



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X3-Hybrid-5.0-E

X3-Hybrid-6.0-E

X3-Hybrid-8.0-E

X3-Hybrid-10.0-E

Input (DC)	X3-Hybrid-5.0-E	X3-Hybrid-6.0-E	X3-Hybrid-8.0-E	X3-Hybrid-10.0-E
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	370-800
No. of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	2/1
OUTPUT (AC)				
Norminal AC power [VA]	5000	6000	8000	10000
Max. AC power [VA]	5000	6000	8000	10000
Rated grid voltage(AC voltage range) [V]	400(360 to 440)	400(360 to 440)	400(360 to 440)	400(360 to 440)
Rated grid frequency [Hz]	50/60	50/60	50/60	50/60
Norminal AC current [A]	7.6	9	12.2	15
Max. AC current [A]	8.5	10	13.5	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)			
OUTPUT DC (BATTERY)				
Battery voltage range [V]	200-500			
Recommended battery voltage [V]	200	240	320	400
Max.charging/discharging power [W]	5000	6000	8000	10000
Max.charging/discharging current [A]	25			
Communication interfaces	CAN/RS485			
Reverse connect protection	No			
EPS OUTPUT (WITH BATTERY)				
EPS rated power [VA]	5000	6000	8000	10000
EPS rated voltage [V], Frequency [Hz]	400/380VAC, 50/60	400/380VAC, 50/60	400/380VAC, 50/60	400/380VAC, 50/60
EPS rated current [A]	7.6	9	12.2	15
EPS peak power[W]	10000,60s	12000,60s	16000,60s	16000,60s
Switch time[s]	<0.5			
Total harmonic distortion(THD, linear load)	<2%			
Parallel operation	Yes			
EFFICIENCY				
MPPT efficiency [%]	99.90			
Euro efficiency [%]	97.00			
Max. efficiency [%]	97.60			
Battery charge/discharge efficiency [%]	96.00			
POWER CONSUMPTION				
Internal consumption(night) [W]	<7			
Idle mode	YES			
STANDARD				
Safety	IEC62109-1-2 / IEC62040/ AS3100			
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3			
Certification	VDE0126-1-1 A1:2012/VDE-AR-N4105/G59-3/AS4777/EN50438/CEI 0-21/IEC62040/IEC62619/ISO13849-2/SN29500/IEC615086			
ENVIRONMENT LIMIT				
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)			
DIMENSION AND WEIGHT				
Dimensions(WxHxD) [mm]	576*453*209			
Weight[kg]	40			
Cooling concept	Natural			
Topology	Transformerless			
Communication	Ethernet, Meter, WIFI (optional), RF(optional), DRM, USB, ISO alarm, Parallel operation			
LCD display	Backlight 20*4 character			
Standard warranty	5 years			