



Single Phase
Hybrid Inverter

X1-Hybrid

High Voltage

**Simple.
Reliable.
Efficient**



6000W Charger/
Discharger Rate



3 Inverter
Models



IP65
Rated



Remote
Monitoring

3kW

3.7kW

X1-HYBRID-3.0T / X1-HYBRID-3.7T X1-HYBRID-4.6T / X1-HYBRID-5.0T

SolaX Power is delighted to announce the launch of the eagerly anticipated third generation of our market-leading solar battery storage product Hybrid inverter. The X-Hybrid battery storage inverter is compatible with the leading lithium-ion battery solutions available on the market today making it the most popular energy storage solution.



Version: E,C,I
E:with EPS function C:without EPS function
I:internal EPS function device



X1-HYBRID HV (SINGLE PHASE)

Version: E,C,I
 E:with EPS function
 C:without EPS function
 I:internal EPS function device

X1-HYBRID-3.0T

X1-HYBRID-3.7T

X1-HYBRID-4.6T

X1-HYBRID-5.0T

INPUT (DC)	C Version			E Version			I Version			C Version			E Version			I Version			C Version			E Version			I Version		
	Max.PV array power [Wp]	4000			5000			6000			6000			6000			6000			6000			6000			6000	
Max.DC voltage [V]	600			600			600			600			600			600			600			600			600		
Nominal DC operating voltage [V]	360			360			360			360			360			360			360			360			360		
Max. input current (input A/input B) [A]	10/10			10/10			10/10			10/10			10/10			10/10			10/10			10/10			10/10		
Max. short circuit current (input A/input B) [A]	14/14			14/14			14/14			14/14			14/14			14/14			14/14			14/14			14/14		
MPPT voltage range[V]	125-550			125-550			125-550			125-550			125-550			125-550			125-550			125-550			125-550		
Start operating voltage[V]	150			150			150			150			150			150			150			150			150		
No. of MPP trackers	2			2			2			2			2			2			2			2			2		
Strings per MPP tracker	1			1			1			1			1			1			1			1			1		
INPUT AC																											
Max. apparent AC power[VA]	3000	3000	7000	3680	3680	7680	4600	4600	9600	4999	4999	9999															
Max. AC current[A]	14.4	14.4	36.1	16.0	16.0	37.7	21.0	21.0	47	21.7	21.7	47.7															
Nominal grid voltage(AC voltage range)[V]	220/230/240(180-270)			220/230/240(180-270)			220/230/240(180-270)			220/230/240(180-270)			220/230/240(180-270)														
Nominal grid Frequency/range[Hz]	50/60			50/60			50/60			50/60			50/60														
OUTPUT AC																											
Nominal AC power [VA]	3000			3680			4600			4999																	
Max. apparent AC power [VA]	3000			3680			4600			4999																	
Nominal grid voltage(AC voltage range) [V]	220/230/240(180-270)			220/230/240(180-270)			220/230/240(180-270)			220/230/240(180-270)																	
Nominal grid frequency/range [Hz]	50/60			50/60			50/60			50/60																	
Nominal AC current [A]	13			16			20			21.7																	
Max. AC current [A]	14.4			16			21			21.7																	
Displacement power factor	0.8 leading ... 0.8 lagging																										
THDi, rated power [%]	<2																										
OUTPUT DC (BATTERY)																											
Battery voltage range [V]	85-400																										
Recommended battery voltage[V]	300																										
Max.continuous charge/discharge current [A]	20																										
Communication interfaces	CAN/RS485																										
Reverse connect protection	Yes																										
EPS OUTPUT (WITH BATTERY)																											
EPS MAX. continuous apparent power [VA]	4000			4000			5000			5000																	
EPS rated voltage[V],Frequency [Hz]	230, 50/60			230, 50/60			230, 50/60			230, 50/60																	
EPS MAX.continuous current [A]	21.7			21.7			26.0			26.0																	
EPS peak apparent power [VA] Duration [s]	6000 10			6000 10			8000 10			8000 10																	
Changeover time [ms]	<500																										
THDv, linear Load [%]	<2																										
EFFICIENCY																											
MPPT efficiency [%]	99.9																										
Euro efficiency [%]	97.0																										
Max. efficiency [%]	97.8																										
Battery charge/discharge efficiency [%]	98.5 (PV-BAT) 97.0 (BAT-AC)																										
POWER CONSUMPTION																											
Standby consumption (Night) [W]	<3																										
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 /G99 /G98 / AS4777 / EN50549/ CEI 0-21 /VDE 2510 / 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 [%]	4~100 (Condensing)																										
Storage temperature [°C]	-20~+60																										
Typical noise emission [dB]	40																										
DIMENSION AND WEIGHT																											
Dimensions(WxHxD) [mm]	476*464*180																										
Weight[kg]	24																										
Cooling concept	Natural																										
Topology	Non-isolated																										
Communication interfaces	Ethernet/Meter/Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/DRM/USB/ISO alarm/CT																										
LCD display	Backlight 20*4 character																										
Standard warranty [years]	5-10																										