



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	E	I	C	E	I	C	E	I			
Max.PV array power [Wp]	4500			5550			6900			7500		
Max.recommended DC power[W]	A:3000 B:3000			A:3000 B:3000			A:3000 B:3000			A:3000 B:3000		
Max.DC voltage [V]	600			600			600			600		
Nominal DC operating voltage [V]	360			360			360			360		
Max. input current (input A/input B) [A]	12/12			12/12			12/12			12/12		
Max. short circuit current (input A/input B) [A]	14/14			14/14			14/14			14/14		
MPPT voltage range[V]	125-550			125-550			125-550			125-550		
Start operating voltage[V]	150			150			150			150		
No. of MPP trackers / Strings per MPP tracker	2(1/1)			2(1/1)			2(1/1)			2(1/1)		
<b>INPUT AC</b>												
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	30.4	16.0	16.0	33.4	21.0	21.0	41.7	21.7	21.7	42.7
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)		
Nominal grid Frequency/range[Hz]	50/60			50/60			50/60			50/60		
<b>OUTPUT AC</b>												
Nominal AC power [VA]	3000			3680			4600			4999		
Max. apparent AC power [VA]	3300			4048(3680 for G98)			5060			5500 (4999 for AS4777,4600 for VDE4105)		
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			23.9 (20 for VDE4105,21.7 for AS4777)		
Displacement power factor											0.8 leading ... 0.8 lagging	
THDi, rated power [%]											<2	
<b>OUTPUT DC (BATTERY)</b>												
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	
<b>EPS OUTPUT (WITH BATTERY)</b>												
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]	8000 10			8000 10			8000 10			8000 10		
Changeover time [ms]											<20 for I version / <500 for E version	
THDv, linear Load [%]											<2	
<b>EFFICIENCY</b>												
MPPT efficiency [%]											99.9	
Euro efficiency [%]											97.0	
Max. efficiency [%]											97.8	
Battery charge/discharge efficiency [%]											98.5 (PV-BAT) 97.0 (BAT-AC)	
<b>POWER CONSUMPTION</b>												
Standby consumption (Night) [W]											<15 for hot standby, <3 for cold standby	
<b>STANDARD</b>												
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	
<b>ENVIRONMENT LIMIT</b>												
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-condensing)	
Storage temperature [°C]											-20~+60	
Typical noise emission [dB]											40	
<b>DIMENSION AND WEIGHT</b>												
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	