



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

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-3.0-N X1-HYBRID-3.7-N X1-HYBRID-4.6-N X1-HYBRID-5.0-N

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]	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)								
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			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								
OUTPUT AC																																				
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																																			
OUTPUT DC (BATTERY)																																				
Battery type	Li-ion battery																																			
Battery voltage range [V]	85-400																																			
Recommended battery voltage[V]	300																																			
Max.continuous charge/discharge current [A]	20																																			
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]	8000 10									8000 10									8000 10									8000 10								
Changeover time [ms]	<20 for I version / <500 for E version																																			
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]	<15 for hot standby, <3 for cold standby																																			
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 [%]	0~100 (non-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																																			