



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)	X1-HYBRID-3.0T			X1-HYBRID-3.7T			X1-HYBRID-4.6T			X1-HYBRID-5.0T		
	C Version	E Version	I Version	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			7500				
Max.DC voltage [V]		600			600			600				
Nominal DC operating voltage [V]		360			360			360				
Max. input current (input A/input B) [A]		12/12			12/12			12/12				
Max. short circuit current (input A/input B) [A]		14/14			14/14			14/14				
MPPT voltage range[V]		125-550			125-550			125-550				
Start operating voltage[V]		150			150			150				
No. of MPP trackers		2			2			2				
Strings per MPPT tracker		1/1			1/1			1/1				
INPUT (AC)												
Max. apparent AC power[VA]	3000	3000	7000	3680	3680	7680	4999	4999	9999			
Max. AC current[A]	14.4	14.4	36.1	16.0	16.0	37.7	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)					
Nominal grid Frequency/range[Hz]	50/60			50/60			50/60					
OUTPUT (AC)												
Nominal AC power [VA]	3000			3680			4999					
Max. apparent AC power [VA]	3300			4048(3680 for G98)			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)					
Nominal grid frequency/range [Hz]	50/60			50/60			50/60					
Nominal AC current [A]	13			16			21.7					
Max. AC current [A]	14.3			17.6 (16 for G98)			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 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								
OFF-GRID OUTPUT (WITH BATTERY)												
MAX. continuous apparent power [VA]	4000			4000			5000					
Rated voltage[V],Frequency [Hz]	230, 50/60			230, 50/60			230, 50/60					
MAX.continuous current [A]	21.7			21.7			26.0					
Peak apparent power [VA] Duration [s]	6000 10			6000 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 (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								