

NEW

From SolaX

X-HYBRID GENERATION 3



www.solaxpower.com

X-HYBRID SINGLE PHASE

The World's Leading Hybrid Inverter Just Got Better

SolaX are delighted to announce the launch of the eagerly anticipated 3rd generation of their market leading Hybrid inverter, which now includes a range of both single-phase and 3-phase models.

Improvements include an improved **lightweight design**, integrated **DC switch**, reduced size for **easy installation**, improved **communication features**, PV input power **expandable by up to 20%**, compatibility with **high-voltage battery systems**.

- > Increase self-consumption to 80%+
- > Save money on energy bills
- > Protect against power outages
- > Limit export/charge from grid
- > Latest battery technology
- > High efficiency
- > 5-year warranty



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X-Hybrid-3.0-E X-Hybrid-3.7-E X-Hybrid-4.6-E X-Hybrid-5.0-T-E

INPUT DC					
Max.recommended DC power [W]	4000	5000	6000	6000	
Max.DC voltage [V]			600		
Normal DC operating voltage [V]			360		
Max. input current [A]	10/10	10/10	10/10	10/10	
Max. short circuit current [A]	14/14	14/14	14/14	14/14	
MPPT voltage range [V]	160-500	195-500	240-500	260-500	
Start input voltage [V]	100	100	100	100	
Start output voltage [V]	150	150	150	150	
Shut down input voltage [V]	70	70	70	70	
No. of MPP trackers	2	2	2	2	
Strings per MPP tracker	1	1	1	1	
DC disconnection switch			Optional		
OUTPUT AC					
Normal AC power [VA]	3000	3680	4600	4999	
Max. apparent AC power [VA]	3000	3680	4600	4999	
Rated grid voltage (AC voltage range) [V]		220/230/240 (180 to 270)			
Rated grid frequency [Hz]		50/60			
Normal AC current [A]	13	16	20	20	21.7
Max. AC current [A]	14.4	16	21	21	21.7
Displacement power factor		0.8 leading to 0.8 lagging			
Total harmonic distortion (THDi, rated power)		<2%			
Parallel operation		YES			
Load control		YES (optional)			
OUTPUT DC (BATTERY)					
Battery voltage range [V]		85-400			
Recommended battery voltage [V]		300VDC			
Max.charge/discharge power [W]		6000W			
Max.charge/discharge current [W]		20A (adjustable)			
Communication interfaces		CAN/RS485			
Reverse connect protection		YES			
EPS OUTPUT (WITH BATTERY)					
EPS rated power [VA]	4000	4000	5000	5000	
EPS rated voltage [V], Frequency [Hz]		230VAC, 50/60			
EPS rated current [A]	17.4	17.4	21.7	21.7	
EPS peak power [W]		8000, 10s			
Switch time [s]		<5			
Total harmonic distortion (THDv, linear load)		<2%			
Parallel operation		YES			
Compatible with the generator		YES (signal provided)			
EFFICIENCY					
MPPT efficiency		99.90%			
Euro-efficiency		97.00%			
Max. efficiency		97.80%			
Battery charge/discharge efficiency		98.5%/97.00%			
POWER CONSUMPTION					
Internal consumption (night) [W]		<7W			
Idle mode		YES			
STANDARD					
Safety		IEC62109-1-2 / IEC62040			
EMC		EN 61000-6-1/EN 61000-6-2/EN 61000-6-3			
Certification		VDE 0126-1-1 A1:2012/VDE-AR-N 4105/G83/G59/AS4777/EN50438/CEI 0-21/VDE 2510			
ENVIRONMENT LIMIT					
Protection class		IP65			
Operating temperature range [°C]		-20 to +60°C (derating at +45°C)			
Humidity [%]		0~95 (non-condensing)			
Altitude [m]		<2000			
Storage temperature [°C]		-20 to +60°C			
Noise emission (typical) [dB]		<30			
Over voltage category		III (electric supply side), II (PV side)			
DIMENSION AND WEIGHT					
Dimensions (WxHxD) [mm]		482*464*182			
Weight [kg]		26.9			
Cooling concept		Forced-cooling			
Topology		Transformerless			
Communication		Ethernet, Meter, WIFI (optional), RF (optional), DRM, USB, ISO alarm, Parallel operation			
LCD display		Backlight 20*4 character			
Button		4(CapSense Button)			
Standard warranty		5 years			