

NEW

FROM SOLAX

X1-AC

X1-AC-3.7kW/4.6kW/5.0kW

Three Versions will be Available



Features:

- Natural Cooling, quiet and low maintenance
- Max Efficiency up to 97%
- Multiple protection: RCD, isolation, over voltage, over temperature, earth protection, short-circuit protection, etc
- Install inverters in parallel for scalability
- Compatible with High-Voltage batteries
- Transformer-less on EPS mode



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X1-AC-3.7kW

X1-AC-4.6kW

X1-AC-5.0kW

OUTPUT AC	E Version	C Version	E Version	C Version	E Version	C Version
Norminal AC power[VA]	3680	3680	4600	4600	4999	4999
Max. apparent AC power[VA]	3680	3680	4600	4600	4999	4999
Rated grid voltage(AC voltage range)[V]	220/230/240 (180 to 270)		220/230/240 (180 to 270)		220/230/240 (180 to 270)	
Rated grid Frequency[Hz]	50/60		50/60		50/60	
Norminal AC current[A]	16	16	20	20	21.7	21.7
Max. AC current[A]	16	16	21	21	21.7	21.7
Displacement power factor	0.8 leading to 0.8 lagging		0.8 leading to 0.8 lagging		0.8 leading to 0.8 lagging	
Total harmonic distortion(THDi, rated power)	<2%		<2%		<2%	
parallel operation	Yes		Yes		Yes	
Load control	Yes(optional)		Yes(optional)		Yes(optional)	
INPUT AC						
Norminal AC power[VA]	3680	3680	4600	4600	4999	4999
Max. AC current[A]	16	16	21	21	21.7	21.7
Rated grid voltage(AC voltage range)[V]	220/230/240 (180 to 270)		220/230/240 (180 to 270)		220/230/240 (180 to 270)	
Rated grid Frequency[Hz]	50/60		50/60		50/60	
Displacement power factor	0.8 leading to 0.8 lagging		0.8 leading to 0.8 lagging		0.8 leading to 0.8 lagging	
BATTERY						
Battery voltage range[V]	85-400		85-400		85-400	
Recommended battery voltage[V]	300VDC		300VDC		300VDC	
Max.charge/discharge power[W]	6000W		6000W		6000W	
Max.charge/discharge current[A]	20A (adjustable)		20A (adjustable)		20A (adjustable)	
Peak charge/discharge current[A]	30A,30S		30A,30S		30A,30S	
Communication interfaces	CAN/ RS485		CAN/ RS485		CAN/ RS485	
Reverse connect protection	YES		YES		YES	
EPS OUTPUT(WITH BATTERY)						
EPS MAX power[VA]	5000	/	6000	/	6000	/
EPS rated power[VA]	4000	/	5000	/	5000	/
EPS rated voltage[V],Frequency[Hz]	230, 50/60		230, 50/60		230, 50/60	
EPS rated current[A]	17.4	/	21.7	/	21.7	/
EPS MAX current[A]	21.7	/	26	/	26	/
EPS peak power[W]	8000, 10s		8000, 10s		8000, 10s	
Switch time[s]	<0.5		<0.5		<0.5	
Total harmonic distortion(THDv, linear Load) [%]	<2		<2		<2	
Parallel operation	YES		YES		YES	
Changeover device	External		External		External	
Compatible with the generator	YES (Signal Provided)		YES (Signal Provided)		YES (Signal Provided)	
EFFICIENCY						
Max. Battery charge efficiency (AC to BAT)(@full load) [%]	95.60		95.60		95.60	
Max. Battery discharge efficiency (BAT to AC)(@full load) [%]	97.00		97.00		97.00	
POWER CONSUMPTION						
Internal consumption(Idle) [W]	<3		<3		<3	
Idle mode	YES		YES		YES	
STANDARD						
Safety	IEC62109-1 / -2 / IEC62040 /					
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3					
Cetification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G83 / G59 / AS4777 / EN50438 / CEI 0-21 / VDE 2510					
ENVIRONMENT LIMIT						
Ingress protection	IP65		IP65		IP65	
Operating temperature range[°C]	-20..... +60 (derating at +45)		-20..... +60 (derating at +45)		-20..... +60 (derating at +45)	
Humidity[%]	0~95 (non-condensing)		0~95 (non-condensing)		0~95 (non-condensing)	
Altitude[m]	<2000		<2000		<2000	
Storage temperature[°C]	-20..... +60		-20..... +60		-20..... +60	
Noise emission(typical)[dB]	<40		<40		<40	
Over voltage category	III(electric supply side), II(battery side)		III(electric supply side), II(battery side)		III(electric supply side), II(battery side)	
DIMENSION AND WEIGHT						
Demensions(WxHxD) [mm]	460*477*181.5					
Weight [kg]	26.85					
Cooling concept	Natural					
Topology	Transformerless					
Communication	Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm					
LCD display	Bcaklight 20*4 character					
Button	Capacitive Touch Sense					
Standard warranty [year]	5					