



Single Phase
AC Coupled

X1-Retro Fit

High Voltage

**Simple.
Reliable.
Efficient**



High Efficiency



Battery Solution



IP65 Rated



Remote Monitoring

3.7kW

4.6kW

X1-RETRO FIT-3.7T / X1-RETRO FIT-4.6T X1-RETRO FIT-5.0T

SolaX Power is delighted to announce the launch of the eagerly anticipated AC charger. The AC retrofit charger can be installed on existing PV installations alongside the existing string inverter, on new systems that require charge from grid flexibility, but also in properties with no solar-enabling the end user to store cheap overnight electricity for use during high-tariff periods.

The AC charger comes with enhanced control features. A new platform for system aggregation that will allow for multiple installations to be controlled remotely is currently under development.



Version: E,C,I
E:with EPS function C:without EPS function
I:internal EPS function device



X1-RETRO FIT (SINGLE PHASE)

Version: E,C,I
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X1-FIT-3.7kW

X1-FIT-4.6kW

X1-FIT-5.0kW

	X1-FIT-3.7kW			X1-FIT-4.6kW			X1-FIT-5.0kW		
	C Version	E Version	I Version	C Version	E Version	I Version	C Version	E Version	I Version
OUTPUT (AC)									
Nominal AC power [VA]		3680			4600			4999	
Max. apparent AC power [VA]		3680			4600			4999	
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]		16			20			21.7	
Max. AC current [A]		16			21			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	
THDi, rated power [%]		<2			<2			<2	
INPUT AC									
Max. apparent AC power[VA]		3680	7680		4600	9600		4999	9999
Max. AC current[A]		16	37.7		21	47		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	
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]		-	5000		-	6000		-	6000
Rated voltage[V],Frequency [Hz]		-	230, 50/60		-	230, 50/60		-	230, 50/60
MAX.continuous current [A]		-	21.7		-	26		-	26
Peak apparent power [VA]		-	6000		-	8000		-	8000
Changeover time [ms]		-	<500 <20		-	<500 <20		-	<500 <20
THDv, linear Load [%]		-	<2		-	<2		-	<2
Changeover device		-	External Internal		-	External Internal		-	External Internal
EFFICIENCY									
Max. Battery charge efficiency (GRID to BAT)					95.60				
Max. Battery discharge efficiency (BAT to AC)					97.00				
POWER CONSUMPTION									
Standby consumption (Night) [W]					<15 for hot standby, <3 for cold standby				
SAFETY& PROTECTION									
Over/under voltage protection					YES				
Monitoring ground fault protection					YES				
Grid protection					YES				
STANDARD									
Safety					IEC61407				
EMC					EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3				
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]					23				
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 [year]					5-10				