



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

X1-FIT-3.7kW

X1-FIT-4.6kW

X1-FIT-5.0kW

OUTPUT (AC)	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
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								
EPS OUTPUT(WITH BATTERY)									
EPS MAX. continuous apparent power [VA]	-	5000		-	6000		-	6000	
EPS rated voltage[V],Frequency [Hz]	-	230, 50/60		-	230, 50/60		-	230, 50/60	
EPS MAX.continuous current [A]	-	21.7		-	26		-	26	
EPS peak apparent power [VA]	-	6000		-	8000		-	8000	
Changeover time [ms]	-	<500		-	<500		-	<500	
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								
Max. efficiency	97.00								
POWER CONSUMPTION									
Standby consumption (Night) [W]	<3								
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 [%]	4~100 (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								