

NEW FROM SOLAX

AC RETRO FIT CHARGER

ACHIEVE ENERGY INDEPENDENCE

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.




*SolaX Portal V2 - Releasing Soon

FEATURES


Integrated WiFi Monitoring


High Charge/ Discharge rate


Remote Aggregation


Charge From Grid


'Plug & Play' Installation


High Performance Lithium-Ion Batteries


Use Solar Energy 24/7


Integrated Energy Management System

SOLAX
POWER

Get in touch now:

+44 (0)845 689 6009



Monitor your system day & night in real time via the 'X-Cloud'. The SolaxBox comes with wifi as standard.



AC RETRO-FIT FROM SOLAX



Model	X1-Fit-3.7E	X1-Fit-3.7I	X1-Fit-3.7C	X1-Fit-4.6E	X1-Fit-4.6I	X1-Fit-4.6C	X1-Fit-5.0E	X1-Fit-5.0I	X1-Fit-5.0C
OUTPUT AC									
Normal AC power [VA]	3680	3680	3680	4600	4600	4600	4999	4999	4999
Max. AC power [VA]	3680	3680	3680	4600	4600	4600	4999	4999	4999
Rated grid voltage (AC voltage range) [V]	220/230/240 (180 to 270)								
Rated grid frequency [Hz]	50/60								
Normal AC current [A]	16	16	16	20	20	20	21.7	21.7	21.7
Max. AC current [A]	16	16	16	21	21	21	21.7	21.7	21.7
Displacement power factor	0.8 leading to 0.8 lagging								
Total harmonic distortion (THDi, rated power)	<2%								
Parallel operation	Under development - future update								
Load control	Under development - future update (optional)								
INPUT AC									
Normal AC power [VA]	3680	3680+4000 (bypass)	3680	4600	4600+5000 (bypass)	4600	4999	4999+5000 (bypass)	4999
Max. AC current [A]	16	16+21.7 (bypass)	16	21	21+26 (bypass)	21	21.7	21.7+26 (bypass)	21.7
Rated grid voltage (AC voltage range) [V]	220/230/240 (180 to 270)								
Rated grid frequency [Hz]	50/60								
Displacement power factor	0.8 leading to 0.8 lagging								
BATTERY									
Battery voltage range [V]	85-400								
Recommended battery voltage [V]	300V DC								
Max.charge/discharge power [W]	Up to 6000W								
Max.charge/discharge current [A]	20A (adjustable)								
Peak charge/discharge current [A]	30A, 30s								
Communication interfaces	CAN/RS485								
Reverse connect protection	YES								
EPS OUTPUT(WITH BATTERY)									
EPS max power [VA]	5000	5000	-	6000	6000	-	6000	6000	-
EPS rated power [VA]	4000	4000	-	5000	5000	-	5000	5000	-
EPS rated voltage [V], Frequency [Hz]	230VAC, 50/60		-	230VAC, 50/60		-	230VAC, 50/60		-
EPS rated current [A]	17.4	17.4	-	21.7	21.7	-	21.7	21.7	-
EPS max current [A]	21.7	21.7	-	26	26	-	26	26	-
EPS peak power [W]	8000, 10s		-	8000, 10s		-	8000, 10s		-
Switch time [s]	<500ms		-	<500ms		-	<500ms		-
Total harmonic distortion (THDv, linear load)	<2%		-	<2%		-	<2%		-
Parallel operation	YES		-	YES		-	YES		-
Changeover device	External	Internal	-	External	Internal	-	External	Internal	-
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%	95.60%	95.60%	95.60%	95.60%	95.60%	95.60%
Max. Battery discharge efficiency (BAT to AC) (@full load)	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%
POWER CONSUMPTION									
Internal consumption (Idle) [W]	<3								
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									
Ingress protection	IP65								
Operating temperature range [°C]	-20..... +60°C (derating at +45°C)								
Humidity [%]	0~95 (non-condensing)								
Altitude [m]	<2000								
Storage temperature [°C]	-20..... +60°C								
Noise emission (typical) [dB]	<40								
Over voltage category	III (electric supply side), II (battery side)								
DIMENSION AND WEIGHT									
Dimensions (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	Backlight 20*4 character								
Button	Capacitive Touch Sense								
Standard warranty	Standard 5-10 years (dependent on country)								

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