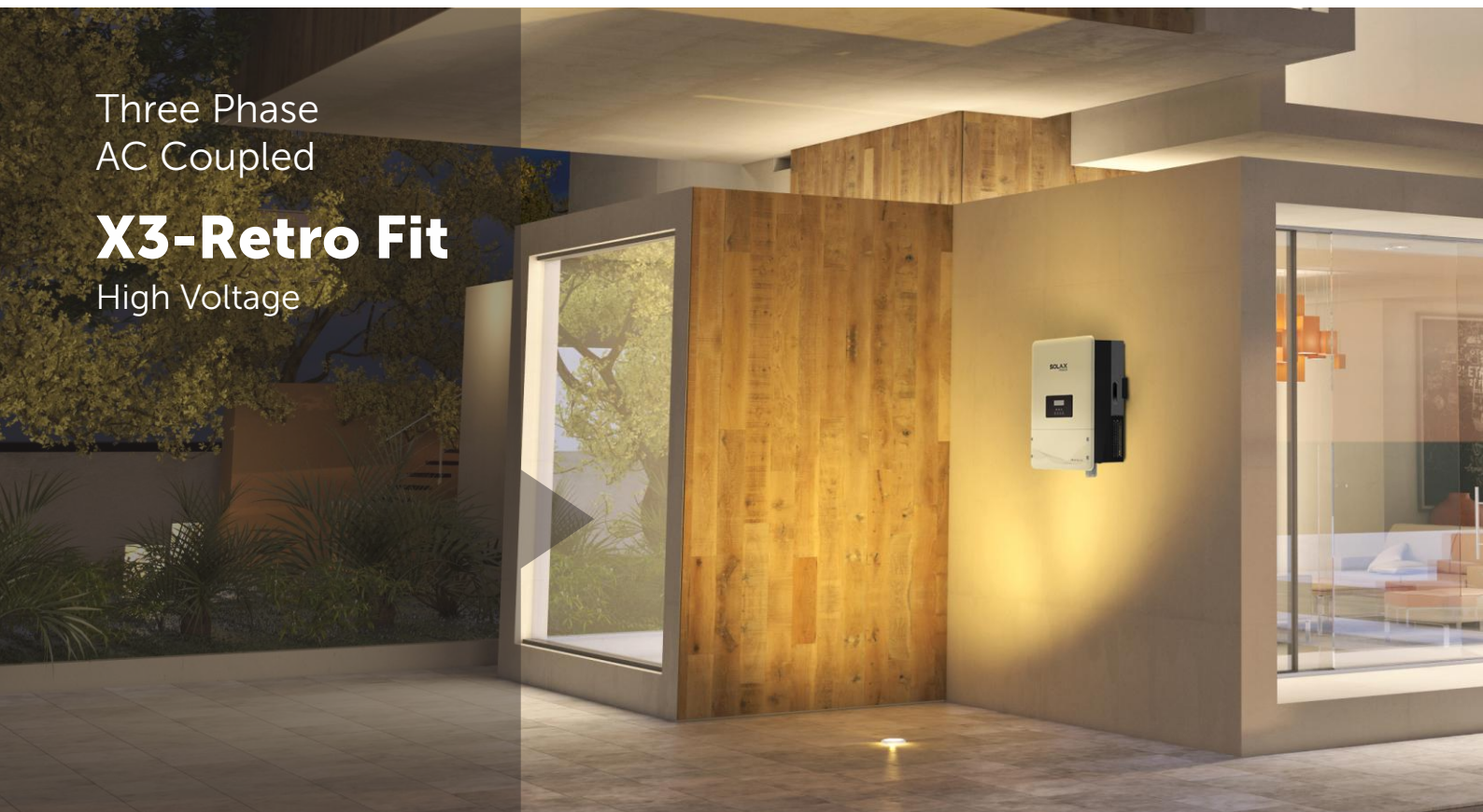


Three Phase
AC Coupled

X3-Retro Fit

High Voltage



**Simple.
Reliable.
Efficient**



High
Efficiency



Battery
Solution



IP65
Rated



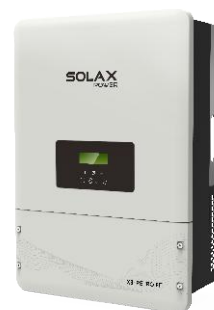
Remote
Monitoring

8kW

10kW

X3-RETRO FIT-8.0T / X3-RETRO FIT-10.0T

- Natural Cooling, quiet and low maintenance
- Max Efficiency up to 96%
- Compatible with High-Voltage batteries
- Protection rating IP65
- Blackout Protection



Version: E,C
E:with EPS function C:without EPS function

X3-Fit-8.0

X3-Fit-10.0

OUTPUT (AC)	E Version	C Version	E Version	C Version
Nominal AC power [VA]	8000	8000	10000	10000
Max. apparent AC power [VA]	8000	8000	10000	10000
Nominal grid voltage(AC voltage range) [V]	400V/230VAC;380/220VAC			
Nominal grid frequency/range [Hz]	50/60			
Nominal AC current [A]	11.6	11.6	14.5	14.5
Max. AC current [A]	12.8	12.8	16.0	16.0
Displacement power factor	0.8 leading to 0.8 lagging			
THDi, rated power [%]	<3			
INPUT AC				
Max. apparent AC power[VA]	8000	8000	10000	10000
Max. AC current[A]	12.8	12.8	16.0	16.0
Nominal grid voltage(AC voltage range)[V]	400/230;380/220			
Nominal grid Frequency/range[Hz]	50/60			
OUTPUT DC (BATTERY)				
Battery voltage range [V]	160-800			
Max.continuous charge/discharge current [A]	35(0.5H)			
Communication interfaces	CAN/ RS485			
Reverse connect protection	YES			
EPS OUTPUT(WITH BATTERY)				
EPS MAX. continuous apparent power [VA]	8000	-	10000	-
EPS rated voltage[VAC],Frequency [Hz]	400/230;380/220 50/60	-	400/230;380/220 50/60	-
EPS MAX.continuous current [A]	11.6	-	14.5	-
EPS peak apparent power [VA] Duration [s]	10000 60	-	10000 60	-
Changeover time [ms]	<500	-	<500	-
THDv, linear Load [%]	<2	-	<2	-
Changeover device	external	-	external	-
Three phases unbalanced	YES			
EFFICIENCY				
MPPT efficiency	99.9			
Euro efficiency	97.0			
Max. Battery charge efficiency (GRID to BAT)	96.0			
Max. Battery discharge efficiency (BAT to AC)	96.5			
POWER CONSUMPTION				
Standby consumption (Night) [W]	50 in standby mode, 10 in idle mode			
SAFETY& PROTECTION				
Over/under voltage protection	Yes			
Monitoring ground fault protection	Yes			
Grid protection	Yes			
STANDARD				
Safety	IEC62477			
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3			
Certification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G98 / AS4777 / EN50549/ CEI 0-21			
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 (non-condensing)			
Storage temperature [°C]	-20..... +60			
Typical noise emission [dB]	40			
DIMENSION AND WEIGHT				
Dimensions(WxHxD) [mm]	457*654*228			
Weight [kg]	38			
Cooling concept	Natural			
Topology	Non-isolated			
Communication interfaces	Ethernet/Meter/Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/DRM/USB/ISO alarm/CAN/BMS/NTC			
LCD display	Backlight 20*4 character			
Standard warranty [year]	5-10			