

Three Phase  
AC Coupled  
**X3-Retro Fit**  
High Voltage



High  
Efficiency



Battery  
Solution



IP65  
Rated



Remote  
Monitoring

Simple.  
Reliable.  
Efficient

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 [%]		<2			
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			
OFF-GRID OUTPUT(WITH BATTERY)					
MAX. continuous apparent power [VA]		8000	—	10000	—
Rated voltage[VAC],Frequency [Hz]		400/230;380/220 50/60	—	400/230;380/220 50/60	—
MAX.continuous current [A]		11.6	—	14.5	—
Peak apparent power [VA] Duration [s]		10000 60	—	10000 60	—
Changeover time [s]		<1.5	—	<1.5	—
THDv, linear Load [%]		<2	—	<2	—
Changeover device		external	—	external	—
Three phases unbalanced		YES			
EFFICIENCY					
Max. Battery charge efficiency (GRID to BAT)		96.0			
Max. Battery discharge efficiency (BAT to AC)		96.5			
POWER CONSUMPTION					
Standby consumption (Night) [W]		<25 for hot standby, <3 for cold standby			
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 (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			