



AC HYBRID

X3-Fit-8.0kW

X3-Fit-10.0kW

X3-Fit-8.0E

X3-Fit-8.0C

X3-Fit-10.0E

X3-Fit-10.0C

OUTPUT AC				
Normal AC power[VA]	8000	8000	10000	10000
Max. apparent AC power[VA]	8000	8000	10000	10000
Rated grid voltage(AC voltage range)[V]	400V/230VAC;380/220VAC			
Rated grid Frequency[Hz]	50/60			
Normal AC current[A]	12.2	12.2	15	15
Max. AC current[A]	13.5	13.5	16	16
Displacement power factor	0.8 leading to 0.8 lagging			
Total harmonic distortion(THDi, rated power) [%]	<2			
parallel operation	Yes			
Load control	Yes(optional)			
INPUT AC				
Normal AC power[VA]	8000	8000	10000	10000
Max. AC current[A]	13.5	13.5	16	16
Rated grid voltage(AC voltage range)[V]	400V/230VAC;380/220VAC;			
Rated grid Frequency[Hz]	50/60			
Power factor	1			
BATTERY				
Battery voltage range[V]	175-500			
Max.charge/discharge current[A]	25			
Peak charge/discharge current[A]	30 (60S)			
Communication interfaces	CAN/ RS485			
Reverse connect protection	YES			
EPS OUTPUT(WITH BATTERY)				
EPS MAX power[VA]	8000	-	10000	-
EPS rated power[VA]	8000	-	10000	-
EPS rated voltage[V],Frequency[Hz]	400/380 50/60	-	400/380 50/60	-
EPS rated current[A]	12.2	-	15	-
EPS MAX current[A]	13.5	-	16	-
EPS peak power[W], duration [s]	16000,60	-	16000,60	-
Switch time[s]	<0.5	-	<0.5	-
Total harmonic distortion(THDv, linear Load) [%]	<2	-	<2	-
Parallel operation	Being developed	-	Being developed	-
Changeover device	external	-	external	-
Generator AC couple	No	-	No	-
Generator control	Being developed	-	Being developed	-
Three phases unbalanced	YES			
EFFICIENCY				
Rated Battery charge/discharge efficiency [%]	96	96	96	96
POWER CONSUMPTION				
Internal consumption(night) [W]	<7			
Idle mode	YES			
STANDARD				
Safety	IEC62109-1-2 / IEC62040/ AS3100			
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 / AS4777 / EN50438 / CEI 0-21 /			
ENVIRONMENT LIMIT				
Protection class	IP65			
Operating temperature range[°C]	-20..... +60 (derating at +45)			
Humidity[%]	0~95 (non-condensing)			
Altitude[m]	<2000			
Storage temperature[°C]	-20..... +60			
Noise emission(typical)[dB]	<40			
Over voltage category	III(electric supply side), II(battery side)			
DIMENSION AND WEIGHT				
Demensions(WxHxD) [mm]	576X453X209			
Weight [kg]	38			
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 [year]	5			

*Can be modified without notice.(V3)