

# NEW

FROM SOLAX

## AC HYBRID-AU

X1-Fit-3.7kW

X1-Fit-4.6kW

X1-Fit-5.0kW



## Features:

- Air Cooled
- Quiet & Low Maintenance
- Max Efficiency up to 97%
- Multiple protections: RCD, isolation, over voltage, over temperature, earth protection, short-circuit protection, etc
- Can be installed in parallel for scalability
- Compatible with high-voltage batteries



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OUTPUT AC	X1-Fit-3.7kW (I Version)	X1-Fit-4.6kW (I Version)	X1-Fit-5.0kW (I Version)
Norminal AC power [W]	3680	4600	4999
Max. apparent AC power [W]	3680	4600	4999
Rated grid voltage(AC voltage range) [V]	230	230	230
Rated grid Frequency [Hz]	50/60	50/60	50/60
Norminal 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
THD, rated power [%]	<2	<2	<2
Parallel operation	Yes	Yes	Yes
Load control	Yes(optional)	Yes(optional)	Yes(optional)
<b>INPUT AC</b>			
Norminal AC power [W]	7680	9600	9999
Max. AC current [A]	37.7	47	47.7
Rated grid voltage(AC voltage range) [V]	230	230	230
Rated grid Frequency [Hz]	50/60	50/60	50/60
Displacement power factor	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
<b>BATTERY</b>			
Battery voltage range [V]	85-400	85-400	85-400
Recommended battery voltage [V]	300	300	300
Max.charge/discharge power [W]	6000	6000	6000
Max.charge/discharge current [A]	20 (adjustable)	20 (adjustable)	20 (adjustable)
Peak charge/discharge current [A]	30A,30S	30A,30S	30A,30S
Communication interfaces	CAN/ RS485	CAN/ RS485	CAN/ RS485
Reverse polarity protection	YES	YES	YES
<b>EPS OUTPUT(WITH BATTERY)</b>			
EPS MAX power [W]	5000	6000	6000
EPS rated power [W]	4000	5000	5000
EPS rated voltage [V],Frequency [Hz]	230, 50/60	230, 50/60	230, 50/60
EPS rated current [A]	17.4	21.7	21.7
EPS MAX current [A]	21.7	26	26
EPS peak power [W], Duration [s]	8000, 10	8000, 10	8000, 10
Switch time [s]	<0.5	<0.5	<0.5
THD, linear load [%]	<2	<2	<2
Parallel operation	YES	YES	YES
Changeover device	Internal	Internal	Internal
Compatible with the generator	YES (Signal Provided)	YES (Signal Provided)	YES (Signal Provided)
<b>EFFICIENCY</b>			
Max. Battery charge efficiency	95.60	95.60	95.60
Max. Battery discharge efficiency	97.00	97.00	97.00
<b>POWER CONSUMPTION</b>			
Internal consumption(Idle) [W]	<3	<3	<3
Idle mode	YES	YES	YES
<b>STANDARD</b>			
Safety	IEC62109-1 / -2 / IEC62040 /		
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3		
Certification	AS4777 / VDE-AR-N 4105 / CEI 0-21 / EN50438 / VDE126-1-1 / G59		
<b>ENVIRONMENT LIMIT</b>			
Ingress protection	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 (MAINS), II (DC)		
<b>DIMENSION AND WEIGHT</b>			
Dimensions(WxHxD) [mm]	482*464*182		
Weight [kg]	26.85		
Cooling concept	Natural		
Topology	Non-isolated		
Communication	Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm		
LCD display	Backlight 20x4 character		
Button	Capacitive Touch Sense		
Standard warranty [year]	5		