

NEW

FROM SOLAX

AC HYBRID

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





X1-Fit-3.7kW

X1-Fit-4.6kW

X1-Fit-5.0kW

| OUTPUT AC | E Version | | C Version | | E Version | | C Version | |
|---|--|------|--|------|--|------|--|------|
| Normal AC power [VA] | 3680 | 3680 | 4600 | 4600 | 4999 | 4999 | 4999 | 4999 |
| Max. apparent AC power [VA] | 3680 | 3680 | 4600 | 4600 | 4999 | 4999 | 4999 | 4999 |
| Rated grid voltage(AC voltage range) [V] | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| Rated grid Frequency [Hz] | 50/60 | | 50/60 | | 50/60 | | 50/60 | |
| Normal AC current [A] | 16 | 16 | 20 | 20 | 21.7 | 21.7 | 21.7 | 21.7 |
| Max. AC current [A] | 16 | 16 | 21 | 21 | 21.7 | 21.7 | 21.7 | 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 | | 0.8 leading to 0.8 lagging | |
| Total harmonic distortion (THDi, rated power) | <2% | | <2% | | <2% | | <2% | |
| parallel operation | Yes | | Yes | | Yes | | Yes | |
| Load control | Yes(optional) | | Yes(optional) | | Yes(optional) | | Yes(optional) | |
| INPUT AC | E Version | | C Version | | E Version | | C Version | |
| Normal AC power [VA] | 3680 | 3680 | 4600 | 4600 | 4999 | 4999 | 4999 | 4999 |
| Max. AC current [A] | 16 | 16 | 21 | 21 | 21.7 | 21.7 | 21.7 | 21.7 |
| Rated grid voltage(AC voltage range) [V] | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| Rated grid Frequency [Hz] | 50/60 | | 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 | | 0.8 leading to 0.8 lagging | |
| BATTERY | E Version | | C Version | | E Version | | C Version | |
| Battery voltage range [V] | 85-400 | | 85-400 | | 85-400 | | 85-400 | |
| Recommended battery voltage [V] | 300VDC | | 300VDC | | 300VDC | | 300VDC | |
| Max.charge/discharge power [W] | 6000W | | 6000W | | 6000W | | 6000W | |
| Max.charge/discharge current [A] | 20A (adjustable) | | 20A (adjustable) | | 20A (adjustable) | | 20A (adjustable) | |
| Peak charge/discharge current [A] | 30A,30S | | 30A,30S | | 30A,30S | | 30A,30S | |
| Communication interfaces | CAN/ RS485 | | CAN/ RS485 | | CAN/ RS485 | | CAN/ RS485 | |
| Reverse connect protection | YES | | YES | | YES | | YES | |
| EPS OUTPUT(WITH BATTERY) | E Version | | C Version | | E Version | | C Version | |
| EPS MAX power [VA] | 5000 | / | 6000 | / | 6000 | / | 6000 | / |
| EPS rated power [VA] | 4000 | / | 5000 | / | 5000 | / | 5000 | / |
| EPS rated voltage[V],Frequency [Hz] | 230, 50/60 | / | 230, 50/60 | / | 230, 50/60 | / | 230, 50/60 | / |
| EPS rated current [A] | 17.4 | / | 21.7 | / | 21.7 | / | 21.7 | / |
| EPS MAX current [A] | 21.7 | / | 26 | / | 26 | / | 26 | / |
| EPS peak power [W] | 8000, 10s | / | 8000, 10s | / | 8000, 10s | / | 8000, 10s | / |
| Switch time[s] | <0.5 | / | <0.5 | / | <0.5 | / | <0.5 | / |
| Total harmonic distortion (THDv, linear Load) [%] | <2 | / | <2 | / | <2 | / | <2 | / |
| Parallel operation | YES | / | YES | / | YES | / | YES | / |
| Changeover device | External | / | External | / | External | / | External | / |
| Compatible with the generator | YES (Signal Provided) | / | YES (Signal Provided) | / | YES (Signal Provided) | / | YES (Signal Provided) | / |
| EFFICIENCY | E Version | | C Version | | E Version | | C Version | |
| Max. Battery charge efficiency (AC to BAT)(@full load) [%] | 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 | |
| POWER CONSUMPTION | E Version | | C Version | | E Version | | C Version | |
| Internal consumption (Idle) [W] | <3 | | <3 | | <3 | | <3 | |
| Idle mode | YES | | YES | | YES | | YES | |
| STANDARD | E Version | | C Version | | E Version | | C Version | |
| Safety | IEC62109-1 / -2 / IEC62040 / | | IEC62109-1 / -2 / IEC62040 / | | IEC62109-1 / -2 / IEC62040 / | | IEC62109-1 / -2 / IEC62040 / | |
| EMC | EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 | | EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 | | EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 | | 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 | | AS4777 / VDE-AR-N 4105 / CEI 0-21 / EN50438 / VDE126-1-1 / G59 | | AS4777 / VDE-AR-N 4105 / CEI 0-21 / EN50438 / VDE126-1-1 / G59 | | AS4777 / VDE-AR-N 4105 / CEI 0-21 / EN50438 / VDE126-1-1 / G59 | |
| ENVIRONMENT LIMIT | E Version | | C Version | | E Version | | C Version | |
| Ingress protection | IP65 | | IP65 | | IP65 | | IP65 | |
| Operating temperature range [°C] | -20..... +60 (derating at +45) | | -20..... +60 (derating at +45) | | -20..... +60 (derating at +45) | | -20..... +60 (derating at +45) | |
| Humidity [%] | 0~95 (non-condensing) | | 0~95 (non-condensing) | | 0~95 (non-condensing) | | 0~95 (non-condensing) | |
| Altitude [m] | <2000 | | <2000 | | <2000 | | <2000 | |
| Storage temperature [°C] | -20..... +60 | | -20..... +60 | | -20..... +60 | | -20..... +60 | |
| Noise emission (typical) [dB] | <40 | | <40 | | <40 | | <40 | |
| Over voltage category | III (MAINS), II (DC) | | III (MAINS), II (DC) | | III (MAINS), II (DC) | | III (MAINS), II (DC) | |
| DIMENSION AND WEIGHT | E Version | | C Version | | E Version | | C Version | |
| Dimensions (WxHxD) [mm] | 482*464*182 | | 482*464*182 | | 482*464*182 | | 482*464*182 | |
| Weight [kg] | 26.85 | | 26.85 | | 26.85 | | 26.85 | |
| Cooling concept | Natural | | Natural | | Natural | | Natural | |
| Topology | Non-isolated | | Non-isolated | | Non-isolated | | Non-isolated | |
| Communication | Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm | | Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm | | Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm | | Ethernet, Meter, WIFI(optional), RF(optional), DRM, USB, ISO alarm | |
| LCD display | Backlight 20*4 character | | Backlight 20*4 character | | Backlight 20*4 character | | Backlight 20*4 character | |
| Button | Capacitive Touch Sense | | Capacitive Touch Sense | | Capacitive Touch Sense | | Capacitive Touch Sense | |
| Standard warranty [years] | 5 | | 5 | | 5 | | 5 | |