

Axil 3kW PV

Off-Grid Solar Inverter



**HIGH
FREQUENCY**

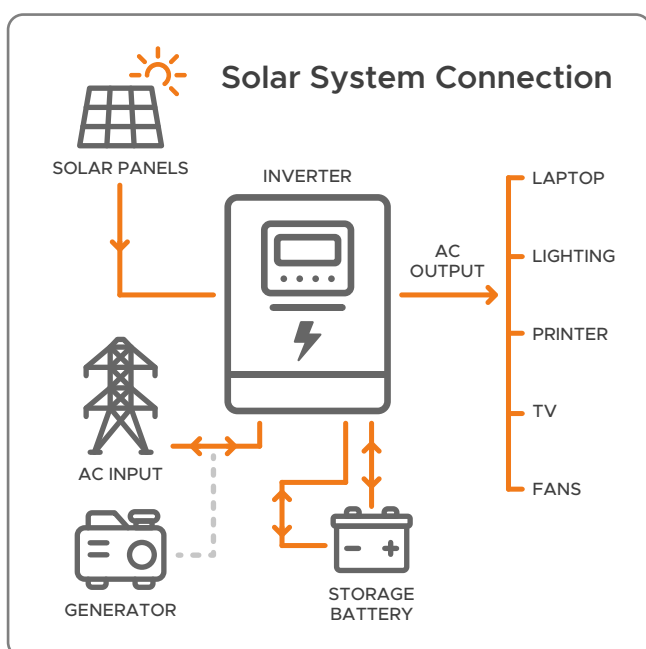
This multi-function inverter/charger combines the functions of an inverter, an MPPT solar charge controller, and a battery charger to deliver reliable, uninterrupted power in a very compact and portable design.

The intuitive LCD display provides easy access to configurable settings, allowing users to adjust parameters such as battery charging current, AC or solar charging priority, and input voltage range to suit a variety of applications.

- Residential Power Backup
- Small Business and Office Use
- Rural or Off-grid Installations

Features

- ✓ Pure Sine Wave Output
- ✓ Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- ✓ Built in MPPT solar charge controller
- ✓ Combining solar system, AC utility, and battery power source to supply continuous power
- ✓ Overload, Short circuit and Deep discharge protection
- ✓ Cold start function
- ✓ Support USB, RS485 monitoring function
- ✓ WIFI remote monitoring (optional)
- ✓ Generator compatible
- ✓ Support parallel operation up to 3 units



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Technical Specification

Axil 3kW PV

Nominal Battery System Voltage 24 VDC

INVERTER OUTPUT

Rated Power 3000 VA / 3000 W

Surge Power 6000 W

Waveform Pure Sine Wave

AC Voltage Regulation (Battery Mode) 230 VAC $\pm$ 5% (setting)

Electric Current 13 A

Inverter Efficiency (Peak) 90%

Transfer Time 10ms (UPS / VDE4105) 20ms (APL)

AC INPUT

Voltage 230 VAC $\pm$ 5%

Selectable Voltage Range 170 ~ 280 VAC (UPS) / 90 ~ 280 VAC (APL) 184 ~ 253 VAC (VDE4105)

Frequency Range 50 Hz / 60 Hz (Auto Sensing)

BATTERY

Normal Voltage 24 VDC

Floating Charge Voltage 27.4 VDC

Overcharge Protection 30 VDC

SOLAR CHARGER & AC CHARGER

Maximum PV Array Open Circuit Voltage 450 VDC

PV Array MPPT Voltage Range 150 ~ 430 VDC

Standby Power Consumption 2 W

Maximum PV Array Power 4000 W

Maximum Solar Charge Current 80 A

Maximum Efficiency 98%

Maximum AC Charge Current 60 A

Maximum Charge Current 80 A

MECHANICAL SPECIFICATIONS

Dimensions (H x W x D) 325 x 290 x 115 mm

Weight 7 kg

OTHER

Humidity 5% to 95% Relative Humidity (Non-condensing)

Operating Temperature 0°C ~ 50°C

Storage Temperature -15°C ~ 60°C

Product specifications are subject to change without notice.



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