

Axil XLS 1.5kVA

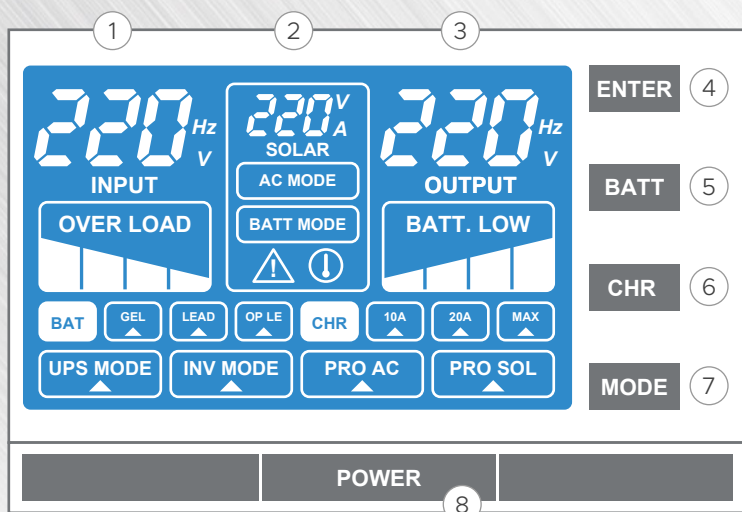
Solar Ready Inverter



The Axil 1.5 kVA XLS pure sine wave inverter offers efficient and reliable power conversion in solar energy systems and an uninterrupted power supply. Start harnessing free, renewable power from the sun today!

This transformer based high-efficiency solar Inverter & UPS intelligently optimizes battery charging and power supply from Solar, Battery, and Grid power.

- Residential and Small Business Applications



- 1 - Input Voltage
- 2 - Solar Information
- 3 - Output Voltage
- 4 - Confirm Button
- 5 - Battery Type Selection
- 6 - Charging Type Selection
- 7 - Mode Selection
- 8 - On / Off Switch / PRO Selection

Features

- ✓ Pure Sine Wave Inverter
- ✓ 4-step AVR Cold Start Function
- ✓ Selectable Inverter Mode (100 - 290VAC) or UPS mode (145 - 275V) for home appliances and personal computers
- ✓ Selectable high power charging current of 10A / 20A Max.
- ✓ Mains voltage or generator output compatible
- ✓ Auto restart while AC is recovering
- ✓ Overload and short circuit protections
- ✓ Smart battery charger for optimized battery performance
- ✓ Configurable AC / Solar input priority
- ✓ Battery voltage AC or Solar priority

Axil XLS 1.5kVA | Solar Ready Inverter

Technical Specification

Axil XLS 1.5kVA

Capacity	1500 VA / 1250 W
Power Factor	0.8
Main PV Input	24 V - 28 V PV max. (batteries fully charged)

INPUT

Voltage Range (Inverter mode)	100 - 290 VAC $\pm$ 5 VAC
Voltage Range (UPS mode)	145 - 275 VAC $\pm$ 5 VAC
Input Frequency	45 - 65 Hz

OUTPUT

Voltage Range (Inverter mode)	150 - 255 VAC $\pm$ 5 VAC
Voltage Range (UPS mode)	203 - 238 VAC $\pm$ 5 VAC
Frequency	50 $\pm$ 0.1 Hz (Battery Mode)
Wave Form	Pure Sine Wave (Battery Mode)
Transfer Time	<10ms

BATTERY

Charging Current (AC)	10A / 20 / Max.
Charging Current (Solar)	PWM 50A (Max.)
Type of Battery	GEL / Sealed Lead Acid / Open Lead Acid

PRIORITY MODE

Selectable Priority Mode	Solar preferred / AC preferred
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PHYSICAL

Net Weight (kg)	12.5 kg
Unit Dimensions (H x W x D)	120 x 310 x 300 mm

ENVIRONMENT

Operating Environment	Temperature 0°C ~ 40°C, Humidity 20% - 90%
Noise Level	$\leq$ 40dB (1m)

Product specifications are subject to change without notice.

XLS 1500 Solar System Recommended Configuration

XLS 1500 / 100Ah*1PC / PWM 50A, without AC

Sunshine Time / Day	NO LOAD		WITH LOAD		
	Solar Panel	Connection	Solar Panel	Connection	Load
4 Hours	150W/18V/3pcs	Parallel	150W/18V/3pcs*2sets	Parallel	450W*4hr/day
5 Hours	180W/18V/2pcs	Parallel	180W/18V/2pcs*2sets	Parallel	360W*5hr/day
6 Hours	150W/18V/2pcs	Parallel	150W/18V/2pcs*2sets	Parallel	300W*6hr/day
7 Hours	130W/18V/2pcs	Parallel	130W/18V/2pcs*2sets	Parallel	260W*7hr/day
8 Hours	120W/18V/2pcs	Parallel	120W/18V/2pcs*2sets	Parallel	240W*8hr/day
9 Hours	100W/18V/2pcs	Parallel	100W/18V/2pcs*2sets	Parallel	200W*9hr/day
10 Hours	90W/18V/2pcs	Parallel	90W/18V/2pcs*2sets	Parallel	180W*10hr/day

Data for reference only



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