



Axil 10.2kW Dual Output Hybrid Solar Inverter



Features

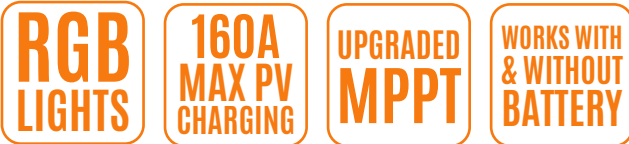
- ✓ Pure Sine Wave Solar Inverter
- ✓ Able to operate with or w/o batteries (Grid-tied)
- ✓ One-key restoration to factory settings
- ✓ Built-in Lithium battery automatic activation
- ✓ Built-in 160A MPPT Solar Controller
- ✓ High PV input voltage range (90 - 450VDC)
- ✓ Built-in anti-dust kit for harsh environments
- ✓ Smart battery charge to optimize battery life
- ✓ Dual Output
- ✓ Dual PV Input
- ✓ Wi-Fi Communications for IOS and Android

RGB Lights

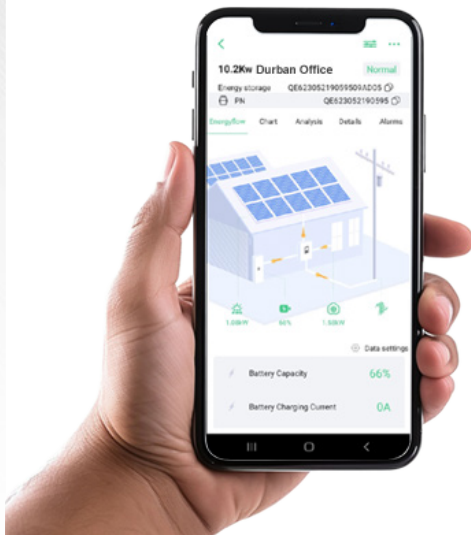
RGB automatically switches under different working modes:

- Red Battery Mode
- Blue Utility Mode
- Purple PV Mode

LCD Display



Remote Monitoring & Operation via App



Wi-Fi Interface

Axil 10.2kW Dual Output | Hybrid Solar Inverter

Technical Specification

Axil 10.2kW Solar Inverter	
Rated Power	10200W
Maximum PV Input Power	10800W
GRID-TIE OPERATION PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360VDC / 500VDC
Start-up Voltage / Initial Feeding Voltage	90VDC / 120VDC
Maximum DC Voltage	90 - 450VDC
No. of MPPT Trackers / Max. Input Current	2 / 18A
GRID OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240VAC
Output Voltage Current	195.5 - 253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
Feed-in Grid Frequency Range	49 - 51 ± 1Hz / 59 - 61 ± 1Hz
EFFICIENCY	
Max. Conversion Efficiency (Solar to AC)	98%
TWO-LOAD OUTPUT POWER	
Full Load	10200W
Max. Main Load	10200W
Max. Second Load (Battery Mode)	3400W
Main Load Cut-off Voltage	44VDC
Main Load Return Voltage	48VDC
OFF-GRID OPERATION - AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140VAC / 180VAC
Acceptable Input Voltage Range	90 - 280VAC or 170 - 280VAC
Max. AC Input Current	50A
Nominal Operating Frequency	50 / 60Hz
Surge Power	20400W
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Max. Charging Current (Solar to AC)	160A
Max. AC Charging Current	160A
GENERAL PHYSICAL	
Dimension (D x W x H)(mm)	530 x 390 x 130 mm
Weight (kg)	14.5kg
INTERFACE	
Communication Interface	Wi-Fi
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature (°C)	-10°C to 50°C
Storage Temperature (°C)	-15°C to 60°C

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