

SMART-FI Power Inverter DC-AC Pure Sine Wave

NEW: 5 in 1



Integrated
SAFETY
SWITCH



30mA

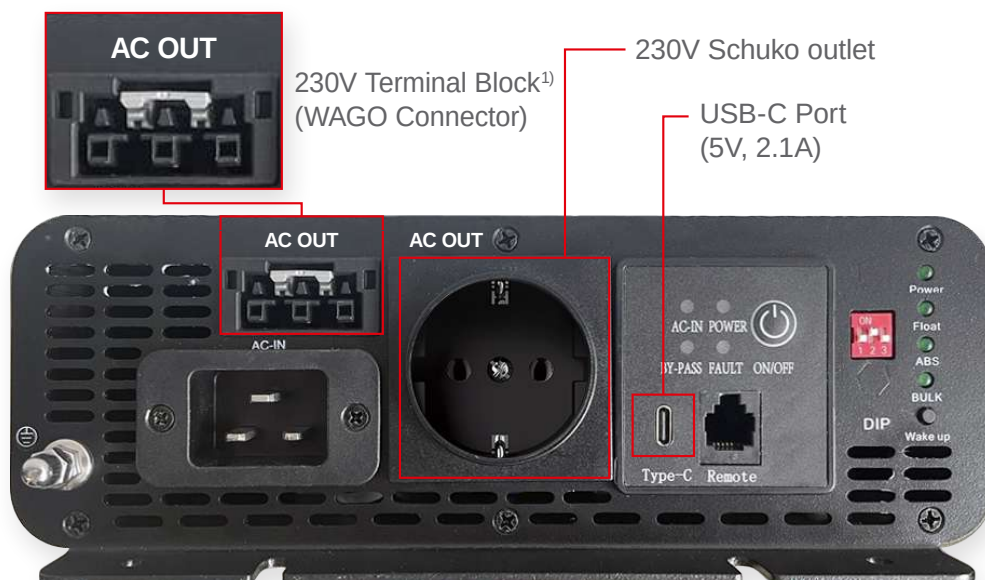


• **External control panel**

5 in 1 for your power conversion and load needs:

- **Pure Sine wave** 12V to 230V inverter (available in 500W, 1500W, 2000W, and 2500W). The ALDEN SMART-FI Pure Sine Wave Inverter generates a power waveform with the highest grid-quality voltage, thus ensuring safe operation of any electronic devices.
- **ATS-Automatic Transfer Switch¹⁾** / 230V Grid Priority Circuit. This feature allows you to seamlessly switch between grid power and battery power, so you can always use the best energy source.
- **Charger¹⁾** 230V -> 12V / 20A for charging the battery (function can be disabled).
- **SMART-FI¹⁾** Integrated residual current device (RCD) for maximum electronic safety
- **Universal 230V terminal block¹⁾ (WAGO connector)**
A new, flexible terminal block simplifies installation and ensures safe and quick wiring
- **USB-C-port¹⁾**: USB-C-port for power supply (5V/2.1A) instead of the previous USB-A port

¹⁾ Does not apply to the DC-AC Pure Sine Wave 500W inverter



Inverter \ Battery	
500W	
1500W	
2000W	
2500W	

BA-100 / BA-100H	BA-150 / BA-150H	BA-200 / BA-200H	BA-310H
✓✓	✓✓	✓✓	✓✓
✓	✓✓	✓✓	✓✓
✗	✓	✓✓	✓✓
✗	✓	✓	✓✓

✓✓ Ideal combination ✓ Possible combination ✗ Not recommended combination

Specifications and appearance are subject to change without notice. Errors and omissions excepted.

Technical Data: SMART-FI Power Inverter



Model		INV-DCAC-0500-S	INV-DCAC-1500-S	INV-DCAC-2000-S	INV-DCAC-2500-S
Output:	Continuous Power	500W	1500W	2000W	2500W
	MAX. power for up 2 S	1000W	3000W	4000W	5000W
	MAX. power for up 10 S	750W	2250W	3000W	3750W
	AC-voltage	220V/230V/240Vac			
		AC-output regulation: ±10%			
		Frequency: 50Hz ± 1%			
	Waveform	Pure sine wave (THD < 4%) at rated input voltage			
	Protection	AC-short circuit, overload, overtemperature			
Input		No	Integrated RCD		
	Input voltage rane	10.5V - 16.0V (12V-Version)			
	Efficiency	> 85%			
	Protection	Low voltage alarm, automatic low voltage shutdown			
Softstart		Yes			
230VAC-output		Universal 230V Schuko socket	1. Universal 230V Schuko socket 2. Universal 230V terminal block		
Cooling		Temperature- and load-controlled			
Environment	Operating temperature	-15°C - 45°C			
	Storage temperature	-40°C - 85°C			
	Relative humidity	20% ~ 90% RH, non condensing			
Short-circuit protection		Yes			
On-/Off switch		Yes			
LED indicators		Green: ok / Red: Fault			
ATS- mains priority function		No	Yes		
USB Output		1 USB-A / 5V 2,1 A	1 USB-C / 5V 2,1 A		
External control panel		Included			
Integrated Battery charger		No	Yes		
Compatible battery types		-	Lithium, lead-acid, gel, AGM		
Max. charging current		-	20A		
Charger output voltage		-	12-15V		
Charger input voltage		-	180-240V		
Weight (kg)		1,82	4,65	5,8	5,8
Dimensions (L x W x H)		210 x 150 x 70	345 x 220 x 80	410 x 220 x 80	410 x 220 x 80

External control panel

