

## AJ Series Pure Sine Wave Inverter

### FEATURES

- True sinewave voltage
- Reliable and silent with any kind of load
- Outstanding overload capabilities
- Very low standby current
- Advanced microprocessor design
- Full internal protections
- 2 year warranty

### APPLICATIONS

- Service vehicles
- Recreation vehicles
- Telecommunication
- Solar power systems
- Marine



## 500 WATTS

### TECHNICAL SPECIFICATIONS

Model	AJ 500-12
Input Voltage	10,5 – 16V (24V max.)
Continuous Power @ 25°C	400 VA
Power 30 min. @ 25°C	500 VA
Power 5 min. @ 25°C	575 VA
Power 5 sec. @ 25°C	1000 VA
Maximum Asymmetric Load	250 VA
Max. Efficiency (%)	93%
Cos φ max.	0,1 – 1 up to 400 VA
Detection of the Load	Adjustable: 1-20W
Current of Short-Circuit 2 sec. (exit)	5,2A (10,4A*)
Output Voltage	Sine wave 230Vac (120Vac*) 0 / - 10%
Frequency	50Hz (60Hz*) ± 0.05% (Crystal Controlled)
Distortion THD (resistive load)	< 5% (@ Pnom.& Uin nom.)
Consumption Stand-By	0,4W
Consumption «ON» no load	4,6W
Overheat Protection (+/-5°C)	Shut down @ 75°C - Auto-restart @ 70°C
Short Circuit Protection	Automatic disconnection with 2 time restart attempt
Reverse Polarity Protection	Protected by internal fuse
Deep Discharge Battery Protection	Shut off @ 0.87 x Unom - Automatic restart @ Unom
Max. Battery Voltage	Shut off @ >1.33 x Unom - Automatic restart @ < Umax
Acoustic Alarm	Before low battery or overheating disconnection

## TECHNICAL SPECIFICATIONS

<b>General Data</b>	
Weight	4,5 Kgs
Dimensions (LxWxH)	142x240x84mm
Protection index IP	IP 30 conforms to DIN 40050
Certification ECE-R 10 (E24)	Yes
EC Conformity	EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, Dir. 89/336/EEC, LVD 73/23/EEC
Operating Temperature	-20°C up to +50°C
Relative Humidity in Operation	95% without condensation
Ventilation Forced	From 45°C ± 5°C
Acoustic Level	< 45 dB (with ventilation)
Approximate Correction of Pnom	-1.5%/°C since +25°C
Recommended Battery Capacity	> 5 x Pnom/Unom (recommended value in Ah)
Length cables (Battery/left AC)	1,5m / 1m

\*115Vac/60Hz on request

Technical Specifications subject to change without notification