

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
- Power ON/OFF remote control available
- Full internal protections
- 2 year warranty

APPLICATIONS

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



1000 WATTS

TECHNICAL SPECIFICATIONS

Model	AJ 1000-12
Input Voltage	10.5 – 16V (24V max.)
Continuous Power @ 25°C	800 VA
Power 30 min. @ 25°C	1000 VA
Power 5 min. @ 25°C	1200 VA
Power 5 sec. @ 25°C	2200 VA
Maximum Asymmetric Load	500 VA
Max. Efficiency (%)	93%
Cos φ max.	0,1 – 1 up to 800 VA
Detection of the Load	Adjustable: 1-20W
Current of Short-Circuit 2 sec. (exit)	10A (20A*)
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	0,7W
Consumption «ON» no load	10W
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 125A
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

General Data	
Weight	2,4 Kgs
Dimensions (LxWxH)	428x142x84mm
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)	1,2m / 1m

*115Vac/60Hz on request

Technical Specifications subject to change without notification