



AJ 800

Sinewave Inverter

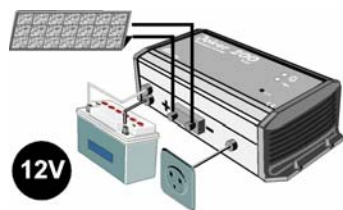
(With optional built-in solar charger and remote control)



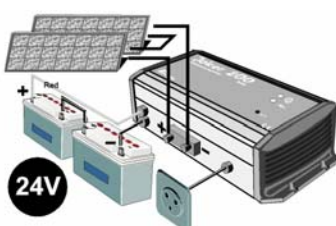
Technical data

Model: AJ	801	802
Nominal input voltage	12V	24V
Input voltage range	10.5 – 16V (24V absolute max.)	21–32V (44V absolute max.)
Nominal power @ 25°C	800VA	850VA
*Output voltage regulation	True sine 230Vac ± 5%	
*Frequency	50 Hz ± 0.05% (Crystal control)	
Distortion THD (on resistive load)	< 5% (@ Pnom. & Uin nom.)	
Consumption in « Standby » mode	0.3W	0.4W
Consumption « ON » @ no load	9.0W	10.0W
Maximum efficiency	93%	94%
Maximum load 30 min @ 25°C	1100VA	1250VA
Maximum load 5 min @ 25°C	1200VA	1800VA
Maximum load 5s @ 25°C	2400VA	3000VA
Max. continuous load power factor	2.2 @Pnom	2.6 @Pnom
Short circuit current 2s (output)	10A	15A
Max asymmetric load	up to Pnom	up to Pnom
Max continuous Cos φ	0.1 – 1 up to 800VA	0.1 – 1 up to 850VA
Load detection	Adjustable: 1 → 20W	
Overheating protection (+/-5°C)	Shut down @ 75 °C – Auto-restart @ 70°C	
Overload protection	Shut down after 2 sec. – No automatic restart	
Short circuit protection	Shut down after 2 sec. – No automatic restart	
Reverse polarity protection	Protected by internal 125A fuse	Protected by internal 100A fuse
Back-feeding protection	Not protected	
Battery deep discharge protection	Shut off @ 0.87 x Unom – Automatic restart @ Unom	
Over voltage shut down	Shut off @ >1.33 x Unom – No automatic restart	
Acoustic warning	Before low battery or overheating disconnection	
Cable length(Battery / AC out)	1.5m / 1m	
Noise	< 45 dB (fans)	
Operating temperature	-20°C up to +50°C	
Approx. output power derating	-1.5%/°C since +25°C	
IP protection index	IP 30 conforms to DIN 40050	
Forced ventilation	From 45°C ± 5°C	
Required battery capacity	> 5 x Pnom/Unom (recommended value)	
Weight & dimensions	8.5 kg – 142mm x 440mm x 84mm	
Warranty	2 years	
EEC conformity compliance	EN 50081 I/II EN 50082 I/II, EN 55014 B – 50022 EN 50091-2 EN 60950 IEC 801 II / III / IV , CEI 555, LVD 73/23 EEC , EMC Dir.89/336/EEC	

*115V/60Hz available on simple request.



12V



24V

Optional built-in solar charger : 25A

Bulk voltage : 14.4V / 28.8V

Float voltage 13.5V / 27V



JT8 : Optional remote

control + 10m cable
ON /OFF push button
Acoustic warning
Status display

