



C P Power & Automation Ltd

True Sinewave Inverters (with optional built-in solar charge controller)

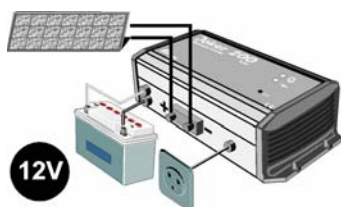


AJ1000-12, AJ1300-24

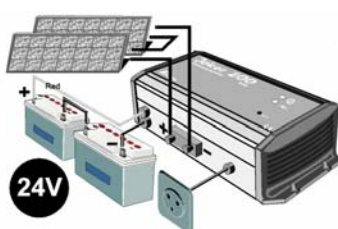
Technical data

Model: AJ	1000-12	1300-24
Nominal input voltage	12V	24V
Input voltage range	10.5 – 16V (24V absolute max.)	21–32V (44V absolute max.)
Continuous power @ 25°C	800VA	1000VA
Power 30 min. @ 25°C	1000VA	1300VA
Power 5 min. @ 25°C	1200VA	2000VA
Power 5 sec. @ 25°C	2200VA	2800VA
Max asymmetrical load	500VA	600VA
Short circuit current 2s (output)	10A (20A*)	13A (26A*)
Output voltage regulation	True sine 230Vac (120Vac*) 0 / -10%	
Frequency	50Hz (60Hz*) ± 0.05% (Crystal control)	
Distortion THD (on resistive load)	< 5% (@ Pnom. & Uin nom.)	
Consumption in « Stand-by » mode	0.3W	0.4W
Consumption « ON » @ no load	9.0W	10.0W
Maximum efficiency	93%	94%
Max continuous Cos φ	0.1 – 1 up to 800VA	0.1 – 1 up to 1000VA
Load detection	Adjustable: 1 → 20W	
Overheating protection (+/-5°C)	Shut down @ 75 °C – Auto-restart @ 70°C	
Overload protection	Automatic disconnection with 2 time restart attempt	
Short circuit protection	Automatic disconnection with 2 time restart attempt	
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 – Automatic restart @ < Umax	
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 in Ah)	
Weight & dimensions	8.5 kg – 142mm x 428mm x 84mm	
Warranty	2 years	
EEC conformity compliance	EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, Dir. 89/336/EEC, LVD 73/23/EEC, Dir. 95/54/EC	

* 115Vac/60Hz available on simple request.



12V



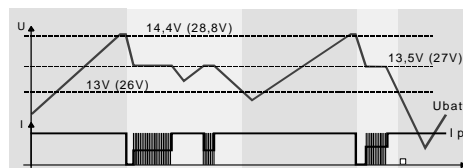
24V

Optional built-in solar charge controller : 25A

Nom. voltage: 12V / 24V
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



Every effort has been made to ensure the accuracy of the information in this document. However, the CPPA policy is one of continuous improvement and for the latest information Rights please contact us. E&OE