

## Sine wave inverters

(with optional built-in solar charge controller and remote control)

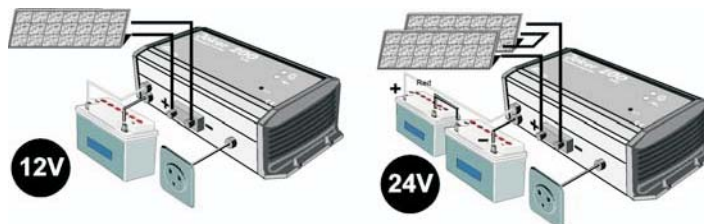
AJ 1000-12  
 AJ 1300-24



### 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
<b>Power 30 min. @ 25°C</b>	<b>1000VA</b>	<b>1300VA</b>
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 (115Vac*) 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	
E norm	ECE-R 10 (E24) certification	
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	

\* 115Vac/60Hz available on simple request.



### 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

