



Sine wave inverters (with optional built-in solar charge controller)



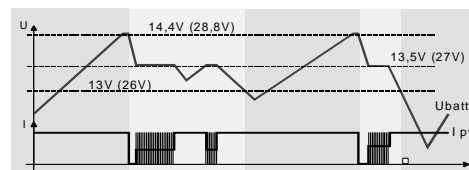
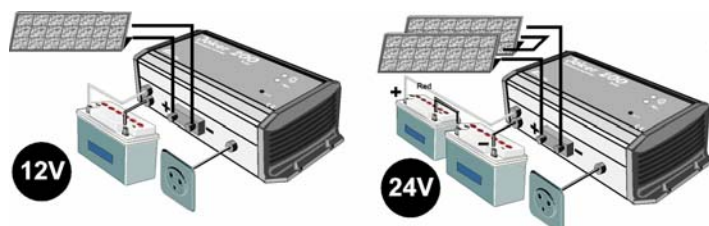
AJ 275-12
AJ 350-24
AJ 400-48

Technical data

Model: AJ	275-12	350-24	400-48
Nominal input voltage	12V	24V	48V
Input voltage range	10.5 – 16V (24V max.)	21 – 32V (44V max.)	42 – 64V (64V max.)
Continuous power @ 25°C	200VA	300VA	300VA
Power 30 min. @ 25°C	275VA	350VA	400VA
Power 5 min. @ 25°C	350VA	500VA	600VA
Power 5 sec. @ 25°C	450VA	650VA	1000VA
Max asymmetrical load	150VA	150VA	200VA
Short circuit current 2s (output)	2.3A (4.6A*)	3.2A (6.4A*)	4.6A (9.2A*)
Output voltage	True sine 230Vac (115Vac*) 0 / -10%		
Frequency	50Hz (60Hz*) ± 0.05% (Crystal control)		
Distortion THD (on resistive load)	< 5% (@ Pnom.)		
Consumption Stand-by **	0.3W	0.3W	0.4W
Consumption « ON » @ no load	1.9W	3.3W	5W
Maximum efficiency	93%	94%	94%
Max continuous Cos φ	0.1 – 1 up to 200 VA	0.1 – 1 up to 300 VA	0.1 – 1 up to 300 VA
Load detection (Stand-by)	2 W (only with solar option -S)		
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 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)	1.2m / 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	2.4 kg	2.6 kg	2.6 kg
Dimensions	142mm x 163mm x 84mm		
Warranty	2 years		
E norm	ECE-R 10 (E24) certification for 12 and 24V models		
EC 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.

** Stand-by with solar option -S



Optional built-in solar charge controller : 10 A

Nom. voltage: 12V / 24V / 48V

Bulk voltage : 14.4V / 28.8V / 57,6V

Float voltage : 13.5V / 27V / 54V