



AJ 400

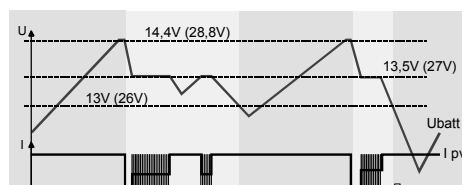
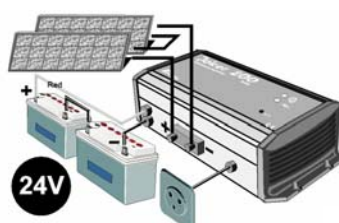
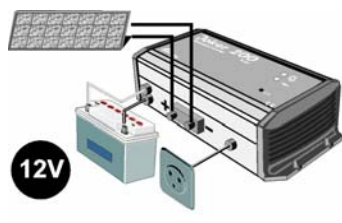
Sinewave Inverter
(With optional built-in solar charger)



Technical data

Model: AJ	401	402	404
Nominal input voltage	12V	24V	48V
Input voltage range	10.5 – 16V (24V max.)	21 –32V (44V max.)	42 –64V (64V max.)
Nominal power @ 25°C	400VA	450VA	450VA
*Output voltage	True sine 230Vac ± 5%		
*Frequency	50 Hz ± 0.05% (Crystal control)		
Distortion THD (on resistive load)	< 5% (@ Pnom)		
Consumption in « Standby » mode	0.3W	0.4W	1W
Consumption « ON » @ no load	3.8W	8.5W	10W
Maximum efficiency	93%	94%	94%
Maximum load 30 min @ 25°C (resistive)	560W	480W	480W
Maximum load 5 min @ 25°C (resistive)	600W	800W	600W
Maximum load 5s @ 25°C (resistive)	1000W	1400W	1500W
Short circuit current 2s (output)	5A	7A	4A
Max asymmetric load	up to Pnom	up to Pnom	up to Pnom
Max continuous Cos φ	0.1 – 1 up to 400VA	0.1 – 1 up to 450VA	0.1 – 1 up to 450VA
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 fuse		
Back feed 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 (Ventilation)		
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	4.5 kg – 142mm x 252mm 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.



Optional built-in solar charger : 15A

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

Bulk voltage : 14.4V / 28.8V / 57.6V

Float voltage : 13.5V / 27V / 54V