

MORVEN

AJ-200

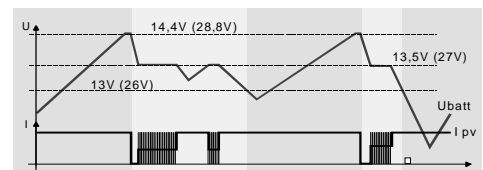
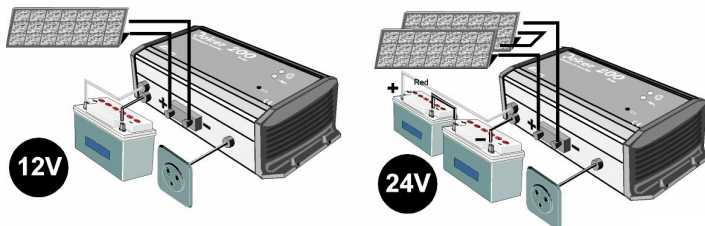
Sinewave Inverter
(With optional built-in solar charger)



Technical data

Model: AJ	201	252	254
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	200VA	250VA	250VA
*Output voltage	True sine 230 Vac \pm 5%		
*Frequency	50 Hz \pm 0.05% (Crystal control)		
Distortion THD (on resistive load)	< 5% (@ Pnom.)		
Stand-by/Consumption « ON » @ no load	0.3**/1.9 W	0.3**/3.3 W	-/5 W
Maximum efficiency	93%	94%	94%
Maximum load 30 min @ 25°C	270 VA	370 VA	300 VA
Maximum load 5 min @ 25°C	300 VA	400 VA	350 VA
Maximum load 5s @ 25°C	400 VA	550 VA	600 VA
Short circuit current 2s (output)	1.2A	1.6A	1.6A
Max asymmetric load	40VA	100VA	100VA
Max continuous Cos ϕ	0.1 – 1 up to 200 VA	0.1 – 1 up to 250 VA	0.1 – 1 up to 250 VA
Load detection	Standby with solar option S		
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-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)	1.2m / 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 \pm 5°C		
Required battery capacity	> 5 x Pnom/Unom (recommended value)		
Weight	2.5 kg	2.4 kg	2.4 kg
Dimensions	142mm x 120mm x 84mm		
Warranty	2 years		
EEC conformity compliance	EN 50081 I/II EN 50082 I/II, EN 550014 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 : 10 A

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

Bulk voltage : 14.4V / 28.8V / 57.6V

Float voltage : 13.5V / 27V / 54V

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