



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

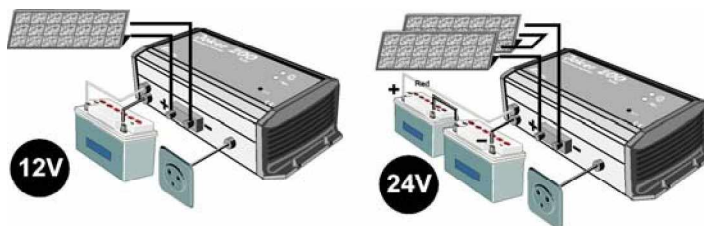


AJ 1000-12
AJ 1300-24

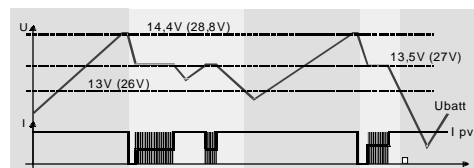
Technical data

| 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 |
| 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.) | < 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 | 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 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, Dir. 95/54/EC | |

* 120Vac/60Hz available on simple request.



JT8! Optional remote control + 10m cable
ON /OFF push button
Acoustic warning
Status display



Optional built-in solar charge controller : 25A

Nom. voltage: 12V / 24V
Bulk voltage : 14.4V / 28.8V
Float voltage : 13.5V / 27V