

AJ

1000-1300VA



Model	AJ 1000-12	AJ 1300-24	
Inverter			
Nominal battery voltage	12 Vdc	24 Vdc	
Input voltage range	10.5 – 16 Vdc	21–32 Vdc	
Continuous power @ 25°C	800 VA	1000 VA	
Power 30 min. @ 25°C	1000 VA	1300 VA	
Power 5 min. @ 25°C	1200 VA	2000 VA	
Power 5 sec. @ 25°C	2200 VA	2800 VA	
Asymmetric load	500 VA	600 VA	
Max. efficiency (%)	93 %	94 %	
Cos φ max.	0.1 – 1 up to 800 VA	0.1 – 1 up to 1000V A	
Detection of the load	Adjustable: 1 → 20 W		
Short-circuit current AC 2 sec.	10 Aac (20 Aac*)	13 Aac (26 Aac*)	
Output voltage	Sine wave 230 Vac (120 Vac*) ± 5%		
Frequency	50 Hz (60 Hz*) ± 0.05% (crystal controlled)		
Distortion THD (resistive load)	< 3 % (@ Pnom. & Uin nom.)		
Consumption Stand-by	0.7 W	1.2 W	
Consumption « ON » no load	10 W	13 W	
Overheat protection (±5°C)	Shut down @ 75°C - Auto-restart @ 70°C		
Short circuit protection	Automatic disconnection with 2 time restart attempt		
Reverse polarity protection by internal fuse	125 A	100 A	
Deep discharge battery protection	Shut off @ 0.87 x Unom - Automatic restart @ Unom		
Max. battery voltage	Shut off @ >1.33 x Unom - Automatic restart @ < Umax		
Acoustic alarm	Before low battery or overheating disconnection		
General data			
Weight	8.5 kg		
Dimensions h/w/l [mm]	142 / 428 / 84		
Protection index IP	IP 30 conforms to DIN 40050		
Certification ECE-R 10 (E24)	• •		
EU declaration of conformity	Low Voltage Directive (LVD) 2014/35/EU: - EN 62109-1:2010 Electromagnetic Compliance (EMC) Directive 2014/30/EU: - EN 61000-6-2:2005, EN 61000-6-4:2007 / A1:2011		
Operating temperature	-20°C to +50°C		
Relative humidity in operation	95 % without condensation		
Ventilation forced	From 45°C ± 5°C		
Acoustic level	< 45 dB (with ventilation)		
Warranty	5 years		
ISO Certification	9001:2008 / 14001:2004		
Approximate correction of Pnom	-1.5 % / °C since + 25°C		
Recommended battery capacity	> 5 x Pnom/Unom (recommended value in Ah)		
Length cables (Battery/AC out)	1.5 m / 1 m		
Options			
Solar regulator	Voltage max.	AJ 1000-12-S: 25 Vdc	AJ 1300-24-S: 45 Vdc
	Current max.	25 Adc	
	Principle	Floating 3 stages (I/U/UO)	
	Absorption voltage	14.4 Vdc	28.8 Vdc
	Floating voltage	13.6 Vdc	27.2 Vdc
Remote control JT8 supplied with 5m cable	• •		
Accessories			
JT8 Remote control	•		

* 120Vac/60Hz on request

** Standby with solar option -S

Data may change without any notice