

# AJ 500-700VA



Model	AJ 500-12	AJ 600-24	AJ 700-48	
<b>Inverter</b>				
Nominal battery voltage	12 Vdc	24 Vdc	48 Vdc	
Input voltage range	10.5 – 16 Vdc	21 –32 Vdc	42 –64 Vdc	
Continuous power @ 25°C	400 VA	500 VA	500 VA	
Power 30 min. @ 25°C	500 VA	600 VA	700 VA	
Power 5 min. @ 25°C	575 VA	675 VA	900 VA	
Power 5 sec. @ 25°C	1000 VA	1200 VA	1400 VA	
Asymmetric load	250 VA	300 VA	300V A	
Max. efficiency (%)	93 %	94 %	94 %	
Cos φ max.	0.1 – 1 up to 400 VA	0.1 – 1 up to 500 VA	0.1 – 1 up to 500 VA	
Detection of the load	Adjustable: 1 to 20 W			
Short-circuit current AC 2 sec.	5.2 Aac (10.4 Aac*)	5.7 Aac (11.4 Aac*)	7 Aac (14 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.)			
Consumption Stand-by	0.4 W	0.6 W	1.5 W	
Consumption «ON» no load	4.6 W	7.2 W	12 W	
Overheat protection (±5°C)	Shut down @ 75°C - Auto-restart @ 70°C			
Overload and short circuit protection	Automatic disconnection with 2 time restart attempt			
Reverse polarity protection as internal fuse	120 A	90 A	60 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			
<b>General data</b>				
Weight	4.5 kg			
Dimensions h/w/l [mm]	142 / 240 / 84			
Protection index IP	IP 30 conforms to DIN 40050			
Certification ECE-R 10 (E24)	•	•	Not available	
EU declaration of conformity	<b>Low Voltage Directive (LVD) 2014/35/EU:</b> - EN 62109-1:2010  <b>Electromagnetic Compliance (EMC) Directive 2014/30/EU:</b> - 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			
<b>Options</b>				
Solar regulator	Voltage max.	AJ 500-12-S: 25 Vdc	AJ 600-24-S: 45 Vdc	AJ 700-48-S: 90 Vdc
	Current max.	15 Adc		
	Principle	Floating 3 stages (I/U/UO)		
	Absorption voltage	14.4 Vdc	28.8 Vdc	57.6 Vdc
	Floating voltage	13.6 Vdc	27.2 Vdc	54.4 Vdc
Plug for remote control (RCM)	•	•	•	

\* 120Vac/60Hz on request

\*\* Standby with solar option -S

Data may change without any notice