

AJ

275-400VA



Model	AJ 275-12	AJ 350-24	AJ 400-48	
Inverter				
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	200 VA	300 VA	300 VA	
Power 30 min. @ 25°C	275 VA	350 VA	400 VA	
Power 5 min. @ 25°C	350 VA	500 VA	600 VA	
Power 5 sec. @ 25°C	450 VA	650 VA	1000 VA	
Asymmetric load	150 VA	150 VA	200 VA	
Max. efficiency (%)	93 %	94 %	94 %	
Cos φ max.	0.1 – 1 up to 200 VA	0.1 – 1 up to 300 VA	0.1 – 1 up to 300 VA	
Detection of the load	2 W only with the solar option -S			
Short-circuit current AC 2 sec.	2.3 Aac (4.6 Aac*)	3.2 Aac (6.4 Aac*)	4.6 Aac (9.2 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	0.3 W**	0.5 W**	1.1 W**	
Consumption «ON» no load	2.4 W	3.5 W	5.2 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	60 A	40 A	25A	
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	2.4 kg	2.6 kg		
Dimensions h/w/l [mm]	142 / 163 / 84			
Protection index IP	IP 30 conforms to DIN 40050			
Certification ECE-R 10 (E24)	•	•	Not available	
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)	1.2 m / 1 m			
Options				
Solar regulator	Voltage max.	AJ 275-12-S: 25 Vdc	AJ 350-24-S: 45 Vdc	AJ 400-48-S: 90 Vdc
	Current max.	10 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