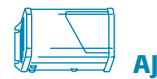
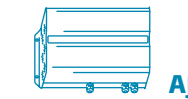


Technical data



	AJ 275-12	AJ 350-24	AJ 400-48	AJ 500-12	AJ 600-24	AJ 700-48	
Inverter							
Nominal battery voltage	12 Vdc	24 Vdc	48 Vdc	12 Vdc	24 Vdc	48 Vdc	
Input voltage range	10.5 - 16 Vdc	21 - 32 Vdc	42 - 60 Vdc	10.5 - 16 Vdc	21 - 32 Vdc	42 - 64 Vdc	
Continuous power @ 25°C	200 VA	300 VA	300 VA	400 VA	500 VA	500 VA	
Power 30 min. @ 25°C	275 VA	350 VA	400 VA	500 VA	600 VA	700 VA	
Power 5 min. @ 25°C	350 VA	500 VA	600 VA	575 VA	675 VA	900 VA	
Power 5 sec. @ 25°C	450 VA	650 VA	1000 VA	1000 VA	1200 VA	1400 VA	
Asymmetric load	150 VA	150 VA	200 VA	250 VA	300 VA	300 VA	
Max. efficiency (%)	93 %	94 %	94 %	93 %	94 %	94 %	
Cos j max.	0.1 - 1 up to 200 VA	0.1 - 1 up to 300 VA	0.1 - 1 up to 300 VA	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	2 W only with the solar option -S			Adjustable: 1 to 20 W			
Short-circuit current AC 2 sec.	2.3 Aac (4.6 Aac*)	3.2 Aac (6.4 Aac*)	4.6 Aac (9.2 Aac*)	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 & Uin nom.)						
Consumption Stand-by	0.3 W**	0.5 W**	1.1 W**	0.4 W	0.6 W	1.5 W	
Consumption "ON" no load	2.4 W	3.5 W	5.2 W	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	60 A	40 A	25 A	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						
General data							
Weight	2.4 kg	2.6 kg		4.5 kg			
Dimension h/w/l [mm]	142 / 163 / 84			142 / 240 / 84			
Protection index IP	IP 30 conforms to DIN 40050						
Certification ECE-R 10 (E24)	✓	✓	✗	✓	✓	✗	
Conformity	Low Voltage Directive (LVD) 2014/35/EU: EN/IEC 62109-1, 62109-2, 62477-1 Electromagnetic Compliance (EMC) Directive 2014/30/EU: EN/IEC 61000-3-3, 61000-6-2, 61000-6-4, 62040-2						
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)						
Approximate correction of Pnom	-1.5 % / °C from + 25°C						
Recommended battery capacity	> 5 x Pnom/Unom (recommended value in Ah)						
Length cables (Battery/AC out)	1.2 m / 1 m			1.5 m / 1 m			
Options							
	Voltage max.	25 Vdc	45 Vdc	90 Vdc	25 Vdc	45 Vdc	90 Vdc
	Current max.	10 Adc			15 Adc		
Solar regulator	Principle	Floating 3 stages (I/U/UO)					
	Absorption voltage	14.4 Vdc	28.8 Vdc	57.6 Vdc	14.4 Vdc	28.8 Vdc	57.6 Vdc
	Floating voltage	13.6 Vdc	27.2 Vdc	54.4 Vdc	13.6 Vdc	27.2 Vdc	54.4 Vdc
Remote control (RCM-01/-02/-03)		✓	✓	✓	✓	✓	✓



	AJ 1000-12	AJ 1300-24	AJ 2100-12	AJ 2400-24	
Inverter					
Nominal battery voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc	
Input voltage range	10.5 - 16 Vdc	21 - 32 Vdc	10.5 - 16 Vdc	21 - 32 Vdc	
Continuous power @ 25°C	800 VA	1000 VA	2000 VA	2000 VA	
Power 30 min. @ 25°C	1000 VA	1300 VA	2100 VA	2400 VA	
Power 5 min. @ 25°C	1200 VA	2000 VA	2450 VA	2800 VA	
Power 5 sec. @ 25°C	2200 VA	2800 VA	5000 VA	5200 VA	
Asymmetric load	500 VA	600 VA	1000 VA	1200 VA	
Max. efficiency (%)	93 %	94 %	92 %	94 %	
Cos j max.	0.1 - 1 up to 800 VA	0.1 - 1 up to 1000 VA	0.1 - 1 up to 2000 VA	0.1 - 1 up to 2000 VA	
Detection of the load	2 W only with the solar option -S		Adjustable: 1 to 20 W		
Short-circuit current AC 2 sec.	10 Aac (20 Aac*)	13 Aac (26 Aac*)	26 Aac (52 Aac*)	30 Aac (60 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	0.7 W	1.2 W	
Consumption "ON" no load	10 W	13 W	16 W	16 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	125 A	100 A	Not protected	150 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		19 kg	18 kg	
Dimension h/w/l [mm]	142 / 428 / 84		273 / 399 / 117		
Protection index IP	IP 30 conforms to DIN 40050		IP 20 conforms to DIN 40050		
Certification ECE-R 10 (E24)	✓	✓	✓	✓	
Conformity	Low Voltage Directive (LVD) 2014/35/EU: EN/IEC 62109-1, 62109-2, 62477-1 Electromagnetic Compliance (EMC) Directive 2014/30/EU: EN/IEC 61000-3-3, 61000-6-2, 61000-6-4, 62040-2				
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)				
Approximate correction of Pnom	-1.5 % / °C from + 25°C				
Recommended battery capacity	> 5 x Pnom/Unom (recommended value in Ah)				
Length cables (Battery/AC out)	1.5 m / 1 m		1.7 m / 1 m		
Options					
	Voltage max.	25 Vdc	45 Vdc	25 Vdc	45 Vdc
	Current max.	25 Adc		30 Adc	
Solar regulator	Principle	Floating 3 stages (I/U/UO)			
	Absorption voltage	14.4 Vdc	28.8 Vdc	14.4 Vdc	28.8 Vdc
	Floating voltage	13.6 Vdc	27.2 Vdc	13.6 Vdc	27.2 Vdc
Remote control (JT8)		✓	✓	✓	✓

Reliable and compact for your small to medium sized system

- High and steady efficiency
- Outstanding overload capabilities
- Digital regulation and control by microprocessor
- Electrical supply to any type of appliance
- Full internal protection
- Battery lifetime optimization (B.L.O.) function
- Plug&Play, supplied with battery and AC cables

Optional built-in solar regulator

Optional integrated PWM solar charge controller with 3 stages (I/U/UO)

Accessory

Remote control (JT8), enables the control (ON/OFF) and the status display (On, Standby, Temporary Off)

Certifications & Warranty

100% manufactured and tested in Switzerland (Europe). ISO certified factory 9001:2008/14001:2004. All our products include a 10-year warranty (5+5).

* 120Vac/60Hz on request. Available for all Xtenders except XTH8000-48
** Standby with solar option -S
Data may change without any notice