



Steca AJ

275-12, 350-24, 400-48, 500-12, 600-24, 700-48,
1000-12, 1300-24, 2100-12, 2400-24

	275-12	350-24	400-48	500-12	600-24	700-48	1000-12	1300-24	2100-12	2400-24
Characterisation of the operating performance										
System voltage	12 V	24 V	48 V	12 V	24 V	48 V	12 V	24 V	12 V	24 V
Continuous power	200 VA	300 VA	300 VA	400 VA	500 VA	500 VA	800 VA	1,000 VA	2,000 VA	2,000 VA
Power 30 min.	275 VA	350 VA	400 VA	500 VA	600 VA	700 VA	1,000 VA	1,300 VA	2,100 VA	2,400 VA
Power 5 min.	350 VA	500 VA	600 VA	575 VA	675 VA	900 VA	1,200 VA	2,000 VA	2,450 VA	2,800 VA
Power 5 sec.	450 VA	650 VA	1,000 VA	1,000 VA	1,200 VA	1,400 VA	2,200 VA	2,800 VA	5,000 VA	5,200 VA
Max. efficiency	93 %	94 %	94 %	93 %	94 %	94 %	93 %	94 %	92 %	94 %
Max. asymmetric load	150 VA	150 VA	200 VA	250 VA	300 VA	300 VA	500 VA	600 VA	1,000 VA	1,200 VA
Short circuit current 2 sec.	2.3 A	3.2 A	4.6 A	5.2 A	5.7 A	7 A	10 A	13 A	26 A	30 A
Power derating	-1.5 % / °C from 25 °C									
Recommended battery capacity	$> 5 \times P_{nom} / U_{nom}$ (Ah)									
Own consumption standby / ON	0.3 W / 2.4 W	0.5 W / 3.5 W	1.1 W / 5.2 W	0.4 W / 4.6 W	0.6 W / 7.2 W	1.5 W / 12 W	0.7 W / 10 W	1.2 W / 13 W	0.7 W / 16 W	1.2 W / 16 W
Acoustic level	< 45 dB (with ventilation)									
DC input side										
Battery voltage	10.5 V ... 16 V	21 V ... 32 V	42 V ... 64 V	10.5 V ... 16 V	21 V ... 32 V	42 V ... 64 V	10.5 V ... 16 V	21 V ... 32 V	10.5 V ... 16 V	21 V ... 32 V
Max. battery voltage	24 V	44 V	64 V	24 V	44 V	64 V	24 V	44 V	20 V	40 V
AC output side										
Output voltage	230 V AC + 0 / -10 % (true sine wave)									
Output frequency	50 Hz +/-0.05 % (crystal controlled)									
Cosphi	0.1 ... 1 (to P_{nom})									
Total harmonic distortion	< 5 % (at P_{nom})						< 5 % (at P_{nom} and U_{nom})			< 3 % (at P_{nom} and U_{nom})
Load detection (standby)	2 W			adjustable: 1 W ... 20 W						
Operating conditions										
Ambient temperature	-20 °C ... +50 °C									
Fitting and construction										
Cable length battery / AC	1.2 m / 1 m			1.5 m / 1 m					1.7 m / 1 m	
Degree of protection				IP 30					IP 20	
Dimensions (X x Y x Z)	170 x 142 x 84 mm			252 x 142 x 84 mm			455 x 142 x 84 mm		406 x 273 x 117 mm	
Weight	2.4 kg	2.6 kg		4.5 kg			8.5 kg		19 kg	18 kg
Cooling principle	fan from 45 °C +/-5 °C									
Overload and short circuit protection	automatic disconnection with 2 times restart attempt									
Reverse polarity protection	by internal fuse (except Steca Solarix AJ 2100-12)									
Deep discharge protection (LVD)	shut down at $0.87 \times U_{nom}$ - automatic restart at U_{nom}									
Battery overvoltage shutdown	shut down at $>1.33 \times U_{nom}$ - automatic restart at $< U_{max}$									
Acoustic alarm	before deep discharge or overheating									
Overtemperature protection	shut down at 75 °C - automatic restart at 70 °C									
Options	Type with 115 V / 60 Hz, plug for remote control (RCM)						Type with 115 V / 60 Hz, remote control JT8 supplied with 5 m cable			
EC conformity	EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, Dir. 89/336/EEC, LVD 73/23/EEC									
Warranty	2 years									

Technical data at 25 °C / 77 °F