



# CP Power & Automation Ltd

## *S Range*

### *Pure Sinewave Inverters*

### *150W & 300W*



We offer the S range of high efficiency pure sinewave inverters in 150 Watt & 300 Watt power ratings. These can be used in applications where 230V AC is required from a 12V or 24V source to power items such as laptop computers, PDA's, mobile phone chargers, and industrial equipment etc.

Unlike 'quasi-sinewave' or 'modified' inverters, these give trouble-free operation due to their true mains-like output waveform.

### Technical data

Model	S150-212	S150-224	S300-212	S300-224
<i>Sinewave Inverter</i>				
Nominal battery voltage	12 V	24 V	12	24
Input voltage range DC	10.5 - 15V	21 - 30 V	10.5 - 15V	21 - 30V
Continuous output power (Pnom)	150 W	150 W	300 W	300 W
Surge output power	200 W	200 W	400 W	400 W
Output voltage AC	230 Vac +/- 5% Pure Sinewave (THD < 4%)			
Output frequency	50 / 60 Hz +/- 0.05%			
Efficiency (Peak Load)	90%	93%	91%	94%
Efficiency (Max / Avg)	85%	88%	86%	89%
Efficiency (Full Load)	72%	80%	72%	80%
No Load Current Draw	0.22A	0.16A	0.23A	0.15A
Operating Temperature	0 - 40C			
Storage Temperature	-30C to 70C			
Fan Cooling	Thermostatically Controlled			
Remote Control	Yes, On/Off controlled by external switch			
Safety	EN60950			
EMC	FCC Class B, EN50081-1 1992, EN50082-1 1992, EN55022B 1994, EN61000-4-2 1995, EN61000-4-3 1996, ENV50204 1995			
Protection	Overload, Short Circuit, Reverse Polarity (Internal Fuse), Overvoltage and Undervoltage Input Protection, Over Temperature.			
Weight	2.7kg		3.5kg	
Dimensions (L x W x H)	200mm x 132mm x 72mm		237mm x 155mm x 72mm	
Input Connection	Crocodile Clips		Crocodile Clips	
Output Connection	UK Mains Socket		UK Mains Socket	

CP Power & Automation Ltd

8 Hotchkiss Way, Binley Industrial Estate, Coventry CV3 2RL

Tel: +44 (0) 2476 444845 Fax: +44 (0) 2476 561531

Email: [sales@cppowerautomation.com](mailto:sales@cppowerautomation.com) URL: [www.cppowerautomation.com](http://www.cppowerautomation.com)

Every effort has been made to ensure the accuracy of the information in this document. However, the CPPA policy is one of continuous improvement and for the latest information please contact the sales office. E&OE