

2.Features

2-1. Electrical Performance

Specification	Model No.							
	S150 - XXX				S300 - XXX			
Item	112	124	212	224	112	124	212	224
Continuous Output Power	150W				300W			
Surge Rating	300W				500W			
Input voltage	12V	24V	12V	24V	12V	24V	12V	24V
Input Voltage Range	10.5 – 15.0	21.0 – 30.0	10.5 – 15.0	21.0 – 30.0	10.5 – 15.0	21.0 – 30.0	10.5 – 15.0	21.0 – 30.0
Output Voltage	110 VAC ±5%		230 VAC ±5%		110 V VAC ±5%		230 VAC ±5%	
Frequency	50 / 60Hz ± 0.05%							
Efficiency (Peak Load)	91%	92%	90%	93%	92%	93%	91%	94%
Efficiency (Max. / Avg.)	86%	87%	85%	88%	87%	88%	86%	89%
Efficiency (Full Load)	72%	79%	72%	80%	72%	78%	72%	80%
No Load Current Draw	0.18A	0.15A	0.22A	0.16A	0.26A	0.23A	0.23A	0.15A
Output Waveform	Pure Sine Wave (THD < 4%)							
Power Factor Allowed	cosθ-90° ~ cosθ+90°							
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over / Under Input Voltage, Over Temperature.							
Remote Control	Yes, On/Off controlled by external switch							
Safety*	UL458				EN60950			
EMC**	FCC Class B				EN50081-1 □ 1992 EN50082-1 □ 1992 EN55022B □ 1994 EN61000-4-2 □ 1995 EN61000-4-3 □ 1996 ENV50204 □ 1995			
Operating Temperature	0* – 40* C							
Storage Temperature	-30* to 70* C							
Fan Cooling	Thermostatically controlled							
Dimensions (L x W x H)	200 x 132 x 72 mm 7.87 x 5.20 x 2.83 inch				237 x 155 x 72 mm 9.33 x 6.10 x 2.83 inch			
Weight	2.7 Kgs. / 5.4 Lbs.				3.5 Kgs. / 7.7 Lbs.			

*110V mode design meets UL 458 & FCC Class B. **230V model design meets CE & "e" Mark. (Currently, all applied projects are pending)