



## SALIENT FEATURES

- DSP based PWM technology using MOSFET
- Ideal for noiseless operation of all the equipment
- Software controlled PWM based pulse charging
- Auto self test for inverter on LCD display
- LCD panel for battery level and load level
- LCD panel for status and Remedial actions
- Generator compatible



## INVERTER WITH A DIFFERENCE

- Pure Sine Wave output
- Constant voltage & frequency
- User friendly LCD message
- Run heavy loads
- No humming noise from any load
- Great power saving

## TECHNICAL SPECIFICATIONS

Type	1phase input - 1phase output		
Model	Pure Sine Wave Inverter		
Technology	DSP based PWM technology using MOSFETs		
Ratings	1400VA	2.5KVA	3.5KVA
Model No.	S111.4K	S112.5K	S113.5K
INPUT PARAMETERS			
Input Supply	1 Phase, 3 Wire		
Voltage Range	140-270V ±5V		
Frequency Range	45-55 Hz		
OUTPUT PARAMETERS			
Voltage Regulation	220V ± 5%		
Frequency Regulation	50Hz ± 0.1Hz		
Peak Efficiency	>90%		
Output Waveform	Pure Sine Wave		
Total Harmonic Distortion	< 3%		
Crest Factor	> 3:1		
Overload Handling Capacity	101-160% (100sec - 4 sec)		
BATTERY PARAMETERS			
Battery Type	Wet/Gel, 12V/100AH-200AH		
Battery Voltage(Nominal)	24VDC	48VDC	
Battery Voltage Range	19.5V ±0.2V to 28.8V ±0.2V	40.0V ±0.5V to 57.2V ±0.5V	
Battery Charging Current	12.0 ±1.0A	12.0 ±1.0A or 16.0A ±1.0A	
Charging Technology	Fuzzy Logic Control		
ENVIRONMENTAL PARAMETERS			
Operating Temperature	0-45°C		
Acoustic Noise (at 1mts.)	< 50dB		
Relative Humidity	Max 95% non-condensing		
Others			
Indications(Graphical Symbol)	Mains On, Inverter On, Battery Charging, Fuse Blown, Low Battery, Overload, Short Circuit, Inverter Active		
Protection Class	IP20		
Dimensions-WxDxH (in m.m.)	470x295x165	244x430x347	
Weight (in kgs.)	19.45	26.34	31.41

Note: Specifications are subject to change without prior notice.