

Colossal DSP Sine Wave Technology

I N V E R T E R 1 phase input -1 phase output

TECHNICAL SPECIFICATIONS

Type	1 phase input - 1 phase output			
Series	Pure Sine Wave Inverter			
Technology	DSP based PWM technology using IGBT			
Ratings	3KVA	5KVA	7.5KVA	10KVA
Model No.				
INPUT PARAMETERS				
Input Supply	1 Phase, 3 Wire			
Voltage Range	140-280V AC			
Frequency Range	45-55 Hz			
Power Factor (charging)	0.85 to 0.95			
OUTPUT PARAMETERS				
Voltage Regulation	220V \pm 5%			
Frequency Regulation	50Hz \pm 0.1Hz			
Peak Efficiency	>87%			
Output Waveform	Pure Sine Wave			
Total Harmonic Distortion	< 3%			
Crest Factor	> 3:1			
Overload Handling Capacity	105% for 6 mins, 160% for 10 secs			
BATTERY PARAMETERS				
Battery Type	12V/100-200Ah			
Battery Voltage(Nominal)	72V	48/96/120V	120V	180V
Battery Charging Current	6A - 20A \pm 1.AMP			
ENVIRONMENTAL PARAMETERS				
Operating Temperature	0-45°C			
Acoustic Noise (at 1mts)	< 55dB			
Relative Humidity	Max 95% non-condensing			
OTHERS				
Indications & Alarms	Backlit 16 x 2 Lines LCD Screen with Indications, Alarms & remedy			
Protection Class	IP20			
Dimensions-WxDxH (in mm)	350x530x325	356x550x295	350x550x650	
Weight (in kgs)	56	87	99	

Specifications are subject to change without prior notice.

Document No: 0006
Dated : July 15, 2007

Certifications

ISO
9001:2008
ISO
14001:2004



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