

TECHNICAL SPECIFICATIONS

Type	1 Phase in - 1 Phase out			
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, 3Wire			
Voltage Range	110-280VAC			
Frequency Range	45-55 Hz			
Power Factor (charging)	0.85 to 0.95			
OUTPUT PARAMETERS				
Voltage Regulation	220V \pm 5%			
Frequency Regulation	50.0Hz \pm 0.1Hz			
Peak Efficiency	>86%	>87%	>90%	
Output Waveform	Pure Sine Wave			
Total Harmonic Distortion	< 3% (For Linear Loads)			
Crest Factor	> 3:1			
Overload Handling Capacity	101% for 100 Sec, 160% for 10 sec			
BATTERY PARAMETERS				
Battery Type	12V/100-200Ah			
Battery Voltage (Nominal)	72V	48/96/120V	120V	180V
Battery Charging Current	6A - 20A \pm 1AMP.			
ENVIRONMENTAL PARAMETERS				
Operating Temperature	< 45°C			
Acoustic Noise (at 1mts)	< 50dB			
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)	350x325x580	350x325x580	350x615x525	350x615x525
Weight (in kgs)	45	50	77	98

Specifications are subject to change without prior notice.

Global Certifications



Su-Kam

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Su-Kam

Colossal INVERTER

DSP Sine Wave Technology

1 phase input - 1 phase output



SALIENT FEATURES

- Pure Sine Wave Output with constant Voltage & Frequency
- Runs heavy duty appliances / equipments
- Built-in Galvanic Isolation Transformer
- Auto-self Test on LCD Panel
- Scalable Runtime
- Cold Start
- Fuzzy Logic Control battery charging

APPLICATIONS

- Lights & Fans
- Air Conditioners
- Washing Machines
- Projection & Plasma TVs
- DVD/VCD/VCR
- Hair Dryers
- Microwave Oven/OTG
- Refrigerators
- Vacuum Cleaners
- Electric Chimney
- Food Processor

