

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



TECHNICAL SPECIFICATIONS

Type	1 phase input - 1 phase output				
Series	Pure Sine Wave Inverter				
Technology	DSP based PWM technology using IGBT				
Ratings	5kVA			7.5kVA	10kVA
Model No.	CL115KS	CL115K	CL115KX	CL117.5K	CL1110K
INPUT PARAMETERS					
Input Supply	1 Phase, 3 Wire				
Voltage Range	140-280V AC				
Frequency Range	43-57 Hz				
Power Factor (charging)	0.85 to 0.95				
OUTPUT PARAMETERS					
Power Factor	0.8				
Voltage Regulation	220V ± 5%				
Frequency Regulation	50Hz ± 0.05Hz				
Peak Efficiency	>88%				
Output Waveform	Pure Sine Wave				
Total Harmonic Distortion	< 3%				
Crest Factor	> 3:1				
Overload Handling Capacity	105% for 6 mins, 160% for 5 secs				
BATTERY PARAMETERS					
Battery Type	12V/100-200Ah				
Battery Voltage(Nominal)	48V	96V	120V		180V
Battery Charging Current	10A ± 1.0A to 15A ± 1.0A				
ENVIRONMENTAL PARAMETERS					
Operating Temperature	0-45°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				
Protection Class	IP20				
Dimensions-WxDxH (in mm)	350x475x580	350x550x295		350x550x625	
Weight (in kgs)	67	56		87	99

Specifications are subject to change without prior notice.

Global Certifications

ISO 9001:2000 ISO 14001:2004



Su-Kam

Su-Kam Power Systems Limited

196-C, Udyog Vihar Phase - VI, Sector - 37,
Gurgaon - 122 001 (Haryana) India

Tel.: +91-124-4170500, 4030700, Fax : +91-124-4038700
e-mail: info@su-kam.com. Website: www.su-kam.com