



DSP SINE WAVE TECHNOLOGY

1 phase input 1 phase out put



SALIENT FEATURES

- Pure SineWave Output with Constant Voltage and Frequency
- Runs heavy Duty application/equipmeny
- Build-In advance isolation transformer
- Auto-self test on LCD Panel
- Scalable Runtime
- Cold Start
- Fuzzy Logic Control battery charging

APPLICATION

- Light & Fans
- Air Conditioners
- Washing machines
- Projection & Plasma TV's
- DVD/VCD/VCR
- Hair Dryers
- Microwave Oven/OGT
- Refrigerators
- Vacuum chemney
- Food Processor



INVERTERS

TECHNICAL SPECIFICATIONS

Type	1 phase input 1 phase output				
Series	Pure Sine Wave inverter				
Technology	DSP based PWM technology using IGBT				
Rating	5KVA		7.5KVA		10KVA
Model No	CL115KS	CL115K	CL115KX	CL117.5K	CL1110K

INPUT PARAMETERS

Input Supply	1 phase ,3 wire
Voltage Range	140-280 V AC
Frequency Range	43-57Hz
Power Factor(Charging)	0.85 to 0.95

OUTPUT PARAMETER

Power factor	0.8
Voltage Regulation	220V±5%
Frequency range	50Hz±0.05Hz
Peak Efficiency	>88%
Output Waveform	Pure Sine Wave
Total Harmonic Distortion	<3%
crest Factor	>3:1
OverHanding capacity	105% for 6 mins,160% for 5 sec

BATTERY PARAMETERS

Battery Type	12V/100-200Ah			
Battery voltage(normal)	48V	96V	120V	180V
Batter charging Current	100A+1.0A to 15a + 1.0A			

ENVIRONMENTAL PARAMETERS

Operating Temperature	0-45 C
Acoustic noise(at 1 mts)	<50dB
relative Humidity	max 95% non-condensing

OTHERS

Indications &Alarms	backet 16x2 lines LCD Screen with Indication & Alarms			
Protection Class	IP20			
Dimensions-WxDxH(in mm)	350x475x580	350x550x295	350x550x625	
Weight(in kgs)	67	56	87	99

* Errors expected and possible alterations without prior notice.