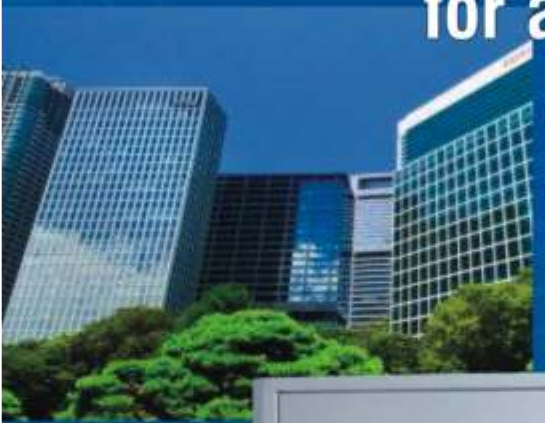


Su-Kam

Power

for all your needs



Colossal
INVERTER

DSP Sine Wave Technology

3 phase input - 3 phase output



Fulfilling your biggest requirements in stored power DSP Sine Wave Inverter Systems

At Su-Kam, we realize that your power generation needs are unique and cannot be met by any ordinary inverter or generator. So we developed a power generation system that fulfils all your requirements - **Su-Kam's DSP Sine Wave Inverter, Colossal.**

Su-Kam's DSP Sine Wave Inverter is a complete power generation system that takes care of the **entire spectrum of needs** of your large living and office space in the most **cost effective** manner. It supplies the highest quality power to run your expensive and sensitive household appliances and office equipment. Its **low maintenance cost** and **user-friendly operations** are added assets.

Su-Kam's wide network of dealers and qualified technicians ensures **prompt and efficient after-sales support**.

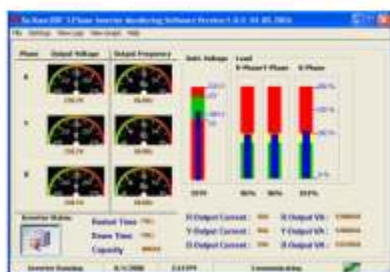
For Heavy Duty Usage - 15kVA to 100kVA

The Su-Kam DSP Sine Wave Inverters is available in a wide range of capacities - 15kVA to 100kVA - to suit individual requirements. This makes them **ideal for use in large homes, institutions, offices** as well as **commercial establishments** such as shops and showrooms.

The World's Most Advanced Technology

Su-Kam DSP Sine Wave Inverter Systems are based on DSP Technology, the world's most advanced technology meant for **high-speed data processing**.

POWER MANAGER SOFTWARE : KEY FEATURES



Power Quality Audit through software

Multi-user License available

Scheduled Shutdown

Priority (high or low) Shutdown setting

Digital & Graphical parameter representation

SMS & e-mail Alerts

User selectable parameters through software





Colossal

INVERTER



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
- Power Monitoring Software with Power Audit Features

Applications

- Air Conditioners
- Industrial Drives & Motors
- Telecom
- Textile Industry
- Deep Freezers
- Elevators

LCD DISPLAY MESSAGES

* DSP 3-Ø INVERTER *
R-I/P VOLT : 215.3 V
Y-I/P VOLT : 216.1 V
B-I/P VOLT : 210.2 V

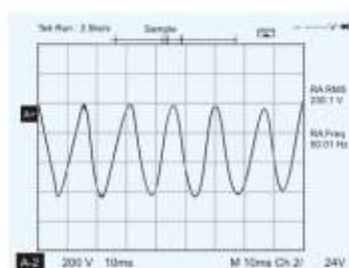
* DSP 3-Ø INVERTER *
R-O/P VOLT : 230.1 V
Y-O/P VOLT : 230.3 V
B-O/P VOLT : 230.1 V

* DSP 3-Ø INVERTER *
MAINS PRESENT
INVERTER SWITCH ON

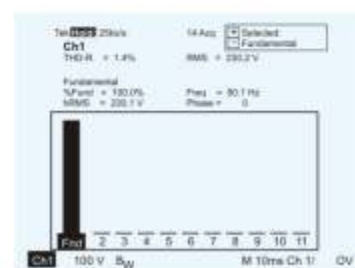
* DSP 3-Ø INVERTER *
* ATTENTION *
BATTERY VOLTAGE LOW

* DSP 3-Ø INVERTER *
* POWER FAIL LOG *
LAST : 01:38:12
NOW : 00:15:17

* DSP 3-Ø INVERTER *
DC VOLT : 393.1 V
[■ ■ ■ ■ ■]



INDUCTIVE LOAD INV. O/P



TOTAL HARMONIC DISTORTION GRAPH

DIFFERENT WAVE FORMS OF DSP SINE WAVE INVERTER

TECHNICAL SPECIFICATIONS

Type	3 phase input - 3 phase output									
Series	Pure Sine Wave Inverter									
Technology	DSP based PWM Technology using IGBT									
Ratings	10kVA	15kVA	20kVA	25kVA	30kVA	40kVA	50kVA	65kVA	80kVA	100kVA
Model No.	CL3310K	CL3315K	CL3320K	CL3325K	CL3330K	CL3340K	CL3350K	CL3365K	CL3380K	CL33100K
INPUT PARAMETERS										
Input Supply	3 Phase, 4 Wire									
Voltage Range	280-465V AC (P-P)									
Frequency Range	43-57 Hz									
OUTPUT PARAMETERS										
Power Factor	0.8									
Voltage Regulation	230V ± 1%(P-N), 400V ± 1%(P-P)									
Frequency Regulation	50Hz ± 0.05Hz									
Peak Efficiency	>92%									
Output Waveform	Pure Sine Wave									
Total Harmonic Distortion	< 3%									
Crest Factor	> 4:1									
Transient Response	Recovery to ± 5% within 1.5 cycles									
Overload Handling Capacity	110% for 8 mins, 150% for 15 secs, 200% for 4 secs, 300% for 2 secs									
BATTERY PARAMETERS										
Battery Type	12V/26-180Ah					2V/12V/100-1500Ah				
Battery Voltage (Nominal)	360V DC									
Battery Charging Current	3A ± 0.5A to 20A ± 0.5A					10A ± 0.5A to 150A ± 2.0A				
USER INTERFACE										
Communication Port	RS-232 Server & Client									
Operating System	Windows 95/98/NT/2000/XP/2003 server									
ENVIRONMENTAL PARAMETERS										
Operating Temperature	0-45°C									
Acoustic Noise (at 1mts)	< 55dB					< 60dB < 65dB				
Relative Humidity	Max 95% non-condensing									
OTHERS										
Indications & Alarm	Backlit 20 x 4 Lines LCD Screen with Indications & Alarms									
Protection Class	IP20									
Dimensions-WxDxH (in mm)	450x700x700			450x700x750		640x860x790		735x790x1450		800x1000x1550
Weight (in kgs)	145	198	208	220	240	300	375	450	550	650

Specifications are subject to change without prior notice.

Global Certifications

ISO 9001:2000 ISO 14001:2004



Su-Kam

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