

Su-Kam

Intelli
UPS **Q**

DSP based TRUE ONLINE

DOUBLE CONVERSION VFI TECHNOLOGY

3 phase input - 3 phase output

Audit your Power Quality through Power Manager Software





Power all your mission critical applications



DSP based TRUE ONLINE

Double Conversion VFI Technology
3 phase input - 3 phase output

Direct power from the mains is a constant threat to your sensitive electronic equipment as it is constantly subjected to interruptions - mains failure, power disturbances like surge, sag, swell, blackouts, high and low voltage, lightning. These disturbances can seriously affect the performance of your critical and sensitive equipment. This means huge loss in terms of data, extra down time, maintenance cost and even human lives.

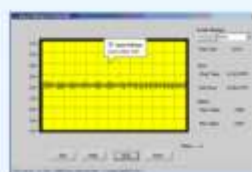
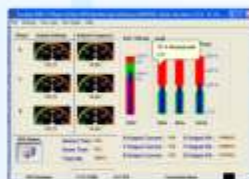
Su-Kam IntelliQ Online Systems provide a 100% pure and uninterruptible power supply to critical and sensitive equipment, thus protecting them from all forms of electrical disturbances that jeopardize their operation.

Su-Kam DSP Online UPS Systems are available in a wide range of capacities - 10 kVA to 100 kVA.

They are ideal for applications like Data Centres, Bank Transactions, Satellite Instruments and Process Industries

Su-Kam IntelliQ Online UPS Systems are based on Double Conversion Technology with VFI (Voltage & Frequency Independent) features and True Galvanic Isolation. This blocks every possible input power disturbance and electronically regenerates Pure Sine Wave output resulting in pure and clean power supply to your equipment.

POWER MANAGER SOFTWARE : KEY FEATURES



- Data logging of all UPS parameters with date & time stamp.
- Graphical monitoring for Input Voltage, Input Frequency, Output Voltage, Output Frequency, Battery Status and Load Status.
- Complete power quality audit for input & output power.
- SMS & e-mails for Status Notification.
- User configurable UPS voltage, frequency & battery level.
- User configurable UPS & Network scheduling.
- Sequential and prioritized network shutdown.



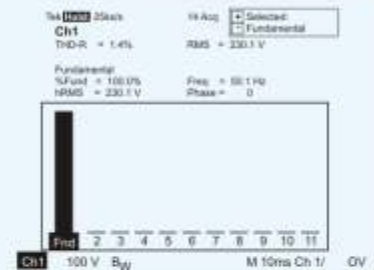
SALIENT FEATURES

- Wide Input Voltage & Frequency Window
- Built-in Galvanic Isolation Transformer
- Operation even on Input Phase Reversal
- Auto-self Test on LCD Panel
- Fuzzy Logic Controlled Battery Charging
- Intelligent Battery Management
- Scalable Runtime
- Cold Start

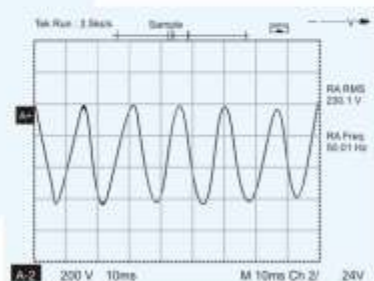
APPLICATIONS

- IT/ITES
- Textile Industry
- Telecom
- Manufacturing Industry
- Data Centres
- Banking/Finance/Services/Insurance

DIFFERENT WAVE FORMS OF DSP based ONLINE UPS



TOTAL HARMONIC DISTORTION GRAPH



INDUCTIVE LOAD UPS O/P

LCD DISPLAY MESSAGES

* 3-Ø ONLINE UPS *

R-O/P POWER : 15000 VA
Y-O/P POWER : 20000 VA
B-O/P POWER : 17000 VA

* 3-Ø ONLINE UPS *

* ATTENTION *

R - OVERLOAD >150%

* 3-Ø ONLINE UPS *

R-I/P VOLT : 201.2 V
Y-I/P VOLT : 205.3 V
B-I/P VOLT : 210.1 V

* 3-Ø ONLINE UPS *

R-O/P VOLT : 230.1 V
Y-O/P VOLT : 230.2 V
B-O/P VOLT : 230.1 V

* 3-Ø ONLINE UPS *

R-I/P FREQ : 47.1 Hz
Y-I/P FREQ : 47.1 Hz
B-I/P FREQ : 47.1 Hz

* 3-Ø ONLINE UPS *

R-O/P FREQ : 50.1 Hz
Y-O/P FREQ : 50.1 Hz
B-O/P FREQ : 50.1 Hz

TECHNICAL SPECIFICATIONS

Type	3 phase input - 3 phase output								
Series	IntelliQ Online UPS								
Technology	DSP based Double Conversion Online UPS system with True Galvanic Isolation								
Ratings	10kVA	15kVA	20kVA	25kVA	30kVA	40kVA	60kVA	80kVA	100kVA
Model No.	IQ3310K	IQ3315K	IQ3320K	IQ3325K	IQ3330K	IQ3340K	IQ3360K	IQ3380K	IQ33100K
INPUT PARAMETERS									
Input Supply	3 Phase, 4 Wire								
Voltage Range	295-485V AC								
Frequency Range	43-57 Hz								
OUTPUT PARAMETERS									
Power Factor	0.8								
Voltage Regulation	230V $\pm$ 1% (P-N), 400V $\pm$ 1% (P-P)								
Frequency Regulation	50Hz $\pm$ 0.05Hz								
Peak Efficiency	> 92%								
Output Waveform	Pure Sine Wave								
Total Harmonic Distortion	< 3%								
Crest Factor	> 4:1								
Transient Response	Recovery to $\pm$ 5% within 1.5 cycles								
Overload Handling Capacity	110% for 8 mins, 150% for 15 secs, 200% for 2 secs, 300% for 1 secs								
BATTERY PARAMETERS									
Battery Type	12V/12-180Ah						2V/12V/100-1500Ah		
Battery Voltage(Nominal)	360V								
Battery Charging Current	1.2A $\pm$ 2A to 10A $\pm$ 2A	1.7A $\pm$ 2A to 15A $\pm$ 2A		2.6A $\pm$ 2A to 15A $\pm$ 2A			10A $\pm$ 5A to 150A $\pm$ 2A		
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)	< 45dB		< 55dB					< 65dB	
Relative Humidity	Max 95% non-condensing								
OTHERS									
Indications & Alarms	Backlit 20 x 4 Lines LCD Screen with Indications & Alarms								
Protection Class	IP20								
Dimensions-WxDxH (in mm)	450X650X700	450X700X700		500X800X750		640X860X790	735X790X1455	800X1000X1550	
Weight (in kgs)	155	198	210	230	240	350	450	600	700

Specifications are subject to change without prior notice.

Global Certifications

ISO 9001:2000 ISO 14001:2004



Su-Kam

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