

*Sinclair*  
Series

**WITH ACTIVE POWER FACTOR CORRECTION**

**DSP based TRUE ONLINE**

**TRIPLE CONVERSION VFI TECHNOLOGY**

1 phase input - 1 phase output

**Su-Kam**



Audit your Power Quality through Power Manager Software

**SALIENT FEATURES**

- Unity Input Power Factor
- Wide Input Voltage & Frequency Window
- Built-in Galvanic Isolation Transformer
- Auto-self Test on LCD Panel
- Fuzzy Logic Controlled battery charging
- Intelligent Battery Management
- Scalable Runtime
- Cold Start

**APPLICATIONS**

- Workstations/Servers
- Networking Equipment
- Telecom
- Color Labs
- ATM Machines/POS Systems
- Gold Analyser Machines
- Security Systems
- Textile Industry

**TECHNICAL SPECIFICATIONS**

Type	1 phase input - 1 phase output			
Series	Sinclair Online UPS			
Technology	DSP based Triple Conversion Online UPS system with true galvanic isolation			
Ratings	3kVA	5kVA	7.5kVA	10kVA
<b>INPUT PARAMETERS</b>				
Input Supply	1 Phase, 3 Wire			
Voltage Range	155-285V AC			
Frequency Range	45-55 Hz			
<b>OUTPUT PARAMETERS</b>				
Power Factor	0.95 to 0.99 (for 10% to 100% Load)			
Voltage Regulation	230V ± 1%			
Frequency Regulation	50Hz ± 0.05Hz			
Peak Efficiency	>87%			
Output Waveform	Pure Sine Wave			
Total Harmonic Distortion	< 3%			
Crest Factor	> 3:1			
Transient Response	Recovery to ± 5% within 1.5 cycles			
Overload Handling Capacity	110% for 5 mins, 150% for 15 secs, 200% for 2 secs, 300% for 1 secs			
<b>BATTERY PARAMETERS</b>				
Battery Type	12V/7.2-200Ah			
Battery Voltage (Nominal)	120V	180V		
Battery Charging Current	0.8A ± 0.2A to 10A ± 0.2A			
<b>USER INTERFACE</b>				
Communication Port	RS-232 Server & Client			
Operating System	Windows 95/98/NT/2000/XP/2003 server			
Remote Monitoring	Web Based (Optional)			
<b>ENVIRONMENTAL PARAMETERS</b>				
Operating Temperature	0-45°C			
Acoustic Noise (at 1mts)	< 45dB			
Relative Humidity	Max 95% non-condensing			
<b>OTHERS</b>				
Indications & Alarms	Backlit 16 x 2 Lines LCD Screen with Indications & Alarms			
Protection Class	IP20			
Dimensions-WxDxH (in mm)	557x354x630	557x354x630	576x354x698	576x354x698
Weight (in kgs)	57.5	65	100	104

Specifications are subject to change without prior notice.

**Global Certifications**



**Su-Kam**

**Su-Kam Power Systems Limited**  
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**SALIENT FEATURES**

- Unity Input Power Factor
- 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

**POWER MANAGER SOFTWARE : KEY FEATURES**



- Data logging, alerts & event log 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.
- E-mails for Status Notification.
- User configurable UPS voltage & battery level.
- User configurable UPS & Network scheduling.
- Sequential and prioritized network shutdown.
- Remote monitoring (optional).

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Global Certifications  
ISO 9001:2000 ISO 14001:2004  
R&D Recognised by GOVERNMENT OF INDIA MINISTRY OF SCIENCE & TECHNOLOGY

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