



SU-KAM ONLINE UPS, INTELLIQ SERIES (SU-KAM ONLINE INVERTER)

An Online UPS provides constant power backup, ensuring there is zero switchover time from mains to UPS, in case of a power failure. This is important for mission critical devices, where even a split-second power break would not be acceptable.

Get this: the regular Su-Kam inverter switches over automatically when power outage occurs. However, that switchover, for all regular inverters, takes from a few milliseconds, as in the case of Su-Kam inverters w, to a few seconds, in the case of inverter brands with slower response.

Why is that so? Because for regular inverters, the load (that is, appliances powered by the inverter) are directly connected to the mains. The inverter runs in a standby mode and only comes into its backup function when the mains fails and it senses it. For advanced technology Su-Kam inverters which have very efficient sensing circuit and high switching speed, the switchover time is a split moment, just about 5 milliseconds. For certain deployments though, that will not be good enough. Servers, for instance may trip off and reboot, disrupting access within the corporate network. It is such applications that require the Su-Kam Online UPS (aka Online Inverter).

In Su-Kam Online UPS, the load is connected to the mains through the UPS. The UPS is “online” and the current always passes through the UPS itself. In effect, there is zero switchover time, meaning that the inverter’s load will never sense any power break. If your equipment requires that level of continuous supply assurance, you need the online UPS. Possible candidates:

- Data centers & server rooms
- LAN nodes
- Telecommunication systems
- Sensitive Medical equipment
- Banks for ATMs or servers
- Programmable logic control systems
- Check out system in supermarket
- Production units
- Safety systems

SU-KAM ONLINE UPS CAPACITY & DESIGN OPTIONS

The Su_kam Online UPS is available in the following options:

IntelliQ • 3 phase in - 1 phase out
Range: 10KVA - 25KVA



Product Features

- DSP based PWM technology using IGBT
- Double Conversion VFI technology
- True Galvanic Isolation
- UPS Auto Self Test on LCD Panel
- User settable Output Voltage (220/230/240V)
- Static Bypass Switch (optional)
- Hot Standby (optional)
- RS-232 Interface software for advanced Power Manager
- Works on any input phase sequence
- Field settable heavy duty charger for long backup

LCD Display Messages

MESSAGES

DSP ONLINE UPS IntelliQ Series	SU-KAM WELCOMES YOU	O/P PWR: 24775VA O/P FREQ: 50.0Hz	SELF TEST: PASS
AUTO MODE	O/P VOLT: 230.15V O/P CRNT: 35A	SYSTEM CAPACITY 10KVA-360V DC	DC VOLT: 406.0V INVERTER ON

PROTECTION MESSAGES

* PROTECTION * BATTERY LOW	* PROTECTION * OUTPUT SHORT CKT	* PROTECTION * BATTERY HIGH	* PROTECTION * OVERLOAD SHUTDOWN
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WARNING MESSAGES

* ATTENTION * LOW BATTERY	* ATTENTION * OVERLOAD > 110%	* ATTENTION * OVERLOAD > 150%
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IntelliQ • 3 phase in – 3 phase out

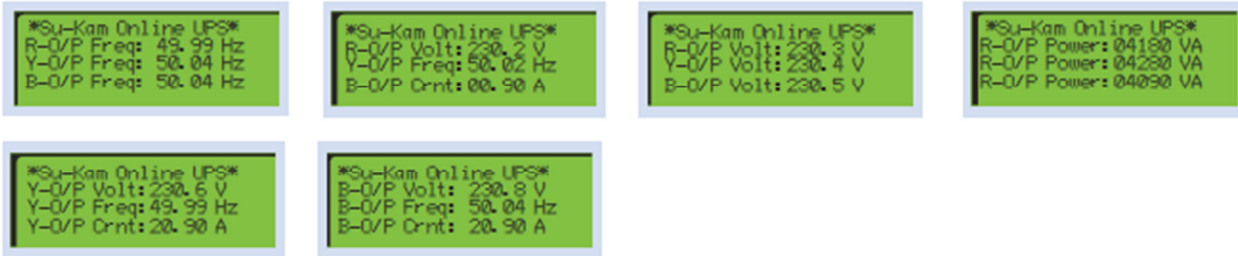
Range: 5KVA – 50KVA



Product Features

- DSP based PWM technology using IGBT
- Double Conversion VFI technology
- True Galvanic Isolation
- Works on any phase sequence without coming in Battery Mode
- LCD Panel for Input/Output Voltage, Input/Output Frequency and Output Power for all 3 phases simultaneously (very useful for monitoring)
- User settable Output Voltage (380/400/415V)
- RS-232 Interface software
- Remote monitoring analysis & control using Powerdoc Software
- Auto Self test on LCD Panel
- 3-Phase Static Bypass Switch (optional)

LCD Message Displays



IntelliQ • 1 phase in - 1 phase out
Range: 1KVA - 10KVA

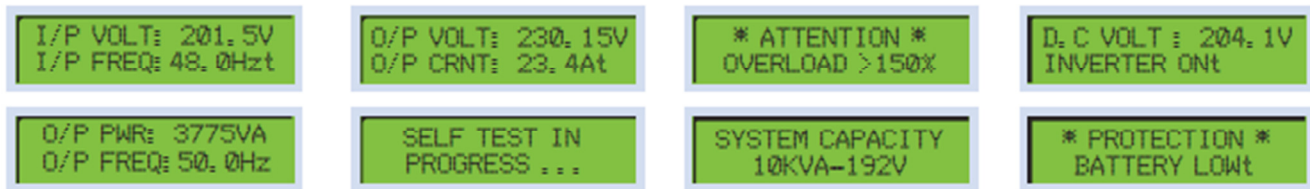


Product Features

- DSP based PWM technology using IGBT

- Double Conversion VFI technology
- True Galvanic Isolation
- Overload handling capacity up to 300% for 1 sec.
- LCD Panel for Input/Output Voltage, Input/Output Frequency, Power & Current Battery Voltage, Mains Fail, UPS on Battery, Inverter ON/OFF, Battery Low/High, Output Low/High Voltage, Overload/Short Circuit etc.
- User settable Output Voltage (220/230/240V)
- RS-232 Interface software for advanced Power Manager
- Fixed settable heavy duty charger for long backup
- Generator compatible

LCD Display Messages



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