

Department of Computer Science and Automation, Indian Institute of Science seeks quotes for UPS system with the following specifications.

Specification for ONLINE UPS

1. Output capacity : **20 KVA with 1 Hour backup**
Technology : DSP Controlled,
IGBT based PWM converter
2. Converter :
AC INPUT : **Three phase**
Voltage range : -20% + 15%
Frequency : 50 Hz
Frequency variation : + - 3 Hz
Input Power factor : > 0.97 from 50% load to 100% load.
Harmonic current : < 5%
3. INVERTER :
AC OUTPUT : **Single Phase**
Rating : Continuous
Technology : DSP Controlled, IGBT based PWM converter
Voltage : 230V
Regulation : + - 1%
Frequency : 50 Hz
Inverter efficiency : Better than 90%
Waveform : Sine Wave
Distortion : < 2%
Transient Voltage variation : + - 5V
Transient Recovery : Within 1 or 2 Cycles
Rated Power Factor : 0.8
Overload Capacity : 120% for 10 Mins, 150% for 60 Secs
Cooling : Forced Air
Isolation : Galvanic Isolation has to be provided with a built in K-13 rated isolation Transformer at the O/P of Inverter.
Total Harmonic Distortion : < 5%
4. Battery with **Wooden stand** :
Type : **Exide: 6EL100 AH**
DC Bus bar Voltage : 360V DC
Charger : Suitable for Exide Tubular battery
5. Monitoring : I/P AC Voltage
O/P AC Voltage & Current
DC Battery Voltage & Current
Audio Alarm : Buzzer for battery low, Indicator Lamps
Mains ON, Output ON, Inverter ON,
Battery low, Inverter overload,
Inverter trip.
6. Protections : Output over Voltage Trip
Output Overload/Short Circuit trip
Battery short by HRC Fuse
Charger Overload Trip
Battery Low

7. Bypass : Manual Bypass has to be provided

8. Warranty: 3 years

Note: Strictly better specification will also be considered.

Terms & Conditions

- The quotes should be submitted in sealed covers.
- The deadline for submission of proposals quotes is February 4 2020, 12:00 noon.
- ISO certification of the product should be must.
- The sealed covers should be submitted to the following address:

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