

CHEMISTRY DEPARTMENT



Enquiry No:CHM /PKB/ 2012-13/O2 DATED : 01/06/2012.(REVISED)

Sealed quotations have been invited by Dr. PK Bhardwaj, Head Chemistry , IIT Kanpur with the following TECHNICAL SPECIFICATIONS FOR 20 KVA ONLINE UPS SYSTEM THREE PHASE INPUT AND SINGLE PHASE OUTPUT FOR 30 MINUTES BACK UP TIME.

INPUT VOLTAGE	330 TO 460 V
FREQUENCY	50HZ (+-) 1%
DC INPUT	360 VOLT DC
OUTPUT	
METHOD OF OPERATON	REAL TIME WAVE FORM CONTROLLED WITH DSP LOGIC USING VLSI / VHDL/CPLD/FPGA CIRCUITS.
VOLTAGE REGULATION	230 VOLT +_ 1% +/- 1% UNDER ALL LINE LOAD CONDITIONS
FREQUENCY REGULATION	50 HZ +/-0.5% +/- 0.25%
WAVE FORM DISTORTION	SINUSOIDAL MAX THD <2%FOR 100%LINEAR LOAD
POWER FACTOR	0.65 TO UNITY
OVERLOAD	120% FOR 10 MINS
TRANSIENT RESPONSE	+/-5% OF NOMINAL OUTPUT VOLTAGE FOR STAPE LOAD CHANGE FROM 10%
TRANSIENT RECOVERY	WITHIN 1 CYCLE TO REGULATION BAND
CREST FACTOR	3.1
AUDIABLE NOISE INDICATION	LESS THAN 55 DB MAINS AND MAINS FAIL , BATTERY CHARGING BATTERY CHARGE RECTIFIER TRIP INPUT OVER VOLTAGE INPUT UNDER VOLTAGE INVERTER ON BATTERY LOW OUTPUT OVERVOLTAGE OUT PUT UNDER VOTAGE OUTPUT OVER LOAD.
ALARM PROTECTIONS	THE SYSTEM WILL SET AT ALARM ON ABOVE INDICATION INPUT OVER VOLTAGE , INPUT UNDER VOLTAGE, DC POWER INPUT /RECTIFIER VOLTAGE , INPUT OVER CURRENT , BATTERY OVER CHARGING BATTERY LOW OUTPUT , OVER VOLTAGE , SHORT CIRCUIT.

Buy back item : Trip Lite 10 KVA 3 phase smart line 3 phase single phase out

While quoting rates, kindly quote buy back rates separately.

Kindly submit the quotations for the above mentioned specifications on or before 22/06/2012.