

Technical Specification for 30 KVA On-Line UPS System
Three Phase Input & Three Phase out put for 2 Hour back up time.

SL.No.	PARAMETERS	SPECIFICATIONS
1.	TOPOLOGY	ON LINE DOUBLE CONVERSION TYPE UPS SYSTEMS BASED ON IGBT TECHNOLOGY.
2.	INPUT	
	<ul style="list-style-type: none"> • VOLTAGE RANGE • FREQUENCY 	330 - 470 V 47 – 53 Hz
3.	DC INPUT	360 Volts
4.	OUTPUT	
	<ul style="list-style-type: none"> • METHOD OF OPERATION 	REAL TIME WAVEFORM CONTROLLED WITH DSP LOGIC USING VLSI/VHDL/CPLD/FPGA CIRCUITS.
	<ul style="list-style-type: none"> • VOLTAGE 	410V AC
	<ul style="list-style-type: none"> • REGULATION 	+/- 1% under all line and load conditions.
	<ul style="list-style-type: none"> • FREQUENCY 	50 Hz +/- 0.5%
	<ul style="list-style-type: none"> • WAVE FORM 	SINUSOIDAL
	<ul style="list-style-type: none"> • DISTORTION 	MAX. THD < 2% FOR 100% LINEAR LOAD.
	<ul style="list-style-type: none"> • POWER FACTOR 	0.8 TO UNITY
	<ul style="list-style-type: none"> • OVERLOAD 	120% FOR 10 MINS
	<ul style="list-style-type: none"> • TRANSIENT RESPONSE 	+/- 5 % OF NOMINAL OUTPUT VOLTAGE FOR STEP LOAD CHANGE FROM 10%
	<ul style="list-style-type: none"> • TRANSIENT RECOVERY 	WITHIN 1 CYCLE TO REGULATION BAND
	<ul style="list-style-type: none"> • CREST FACTOR 	3:1 OR BETTER
<ul style="list-style-type: none"> • AUDIBABLE NOISE 	LESS THAN 55 DB	
5.	INDICATIONS	<ul style="list-style-type: none"> • MAINS ON • MAINS FAIL • BATTERY CHARGING • BATTERY CHARGED • RECTIFIER TRIP • INPUT OVER VOLTAGE • INPUT UNDER VOLTAGE • INVERTER ON • BATTERY LOW • OUTPUT OVER VOLTAGE • OUTPUT UNDER VOLTAGE • OUTPUT OVER LOAD

6.	ALARM	THE SYSTEM WILL SET AN ALARM ON ABOVE INDICATIONS.
7.	PROTECTIONS	<ul style="list-style-type: none"> • INPUT OVERVOLTAGE • INPUT UNDER VOLTAGE • DC OVER VOLTAGE • INPUT OVER CURRENT • BATTERY OVER CHARGING • BATTERY LOW OUTPUT • OVER VOLTAGE • SHORT CIRCUIT
8.		Output wave form distortion less than 1.5% on 100% on non-linear load (i.e. Rectifier load and current 80 Amps RMS on peak current 200 Amps maximum)
9.		The output is isolated through galvanic isolation transformer of rated capacity not less than 200 Amps.

TERMS & CONDITIONS :

1. The Delivery should be Ex-Stock
2. Warranty : 2 Years on Both UPS & Batteries
3. Prices Quoted should be FOR IIT Kanpur