Technical Specification for 20 KVA On-Line UPS System Three Phase Input & Single Phase out put for 30 Minutes back up time.

A) ON LINE DOUBLE CONVERSION TYPE UPS SYSTEMS BASED ON HIGH FREQUENCY PWM IGBT TECHNOLOGY.

B] INPUT -

VOLTAGE - 330 to 460 V FREQUENCY - 50 Hz ±1%

CI DC INPUT - 360 VOLT DC

DJ OUTPUT -

METHOD OF OPERATION - REAL TIME WAVEFORM CONTROLLED WITH DSP LOGIC

USING VLSI/VHDL/CPLD/FPGA CIRCUITS.

VOLTAGE REGULATION FREQENCY REGULATION

WAVE FORM DISTORTION POWER FACTOR OVERLOAD

TRANSIENT RESPONSE

TRANSIENT RECOVERY CREST FACTOR AUDIBABLE NOISE - 230V ± 1%

- +/- 1% under all line and load conditions.

- 50 Hz +/- 0.5% - +/- 0.25% - SINUSOIDAL

- MAX. THD < 2% FOR 100% LINEAR LOAD.

- 0.65 TO UNITY - 120% FOR 10 MINS

- +/-5 % OF NOMINAL OUTPUT VOLTAGE FOR STEP

LOAD CHANGE FROM 10%

- WITHIN 1 CYCLE TO REGULATION BAND

- 3:1

- LESS THAN 55 DB

E] INDICATIONS

-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.

F] ALARM

PROTECTIONS INPUT/RECTIFIER - THE SYSTEM WILL SET AN ALARM ON ABOVE NDICATIONS.

- INPUT OVERVOLTAGE, INPUT UNDER VOLTAGE, DC OVER VOLTAGE, INPUT OVER CURRENT BATTERY OVER CHARGING, BATTERY LOW OUTPUT OVER VOLTAGE, SHORT CIRCUIT.