

PURVANCHAL BANK, GORAKHPUR (Sponsored by State Bank Of India)

UPS system 5 KVA with 4 hours backup (Tubular batteries)

TECHNICAL SPECIFICATION FOR UPS 5 KVA (STANDALONE) WITH 4Hrs./ 6Hrs.

BACKUP and Batteries

Parameters Technical specification Your Comments

Technology Isolation Transfer Based Technology with IGBTs

On-Line.

3KVA - 96VDC/120 VDC

5KVA -192 VDC

7.5KVA -192 VDC

Topology Online Double conversion Type

Input Source Mains/Local Make DG Set

Input power factor >0.93

Input Frequency Range 46-54Hz

Output Power VA at 0.7 power factor

Input (Voltage) Range between 150 to 300V.

Output (Voltage) 230V +/- 5 % (both for load and supply variations)(Base Voltage adjustable)

Active Power Factor Correction Inbuilt Design

Frequency 50 Hz +/- 0.1% (Constant frequency Output)

Waveform (Output) Sine wave form with TDH less than 3% (Liner load)/ <5% (non linear load)

Isolation both in Input as well as in Output.

Inbuilt Galvanic Double wound Type.

Battery type

Exide Power Safe EP 12V/100AH SMF / Tubular

Battery

OR

Amaron Quanta - Amar Raja SMF / Tubular

(12AL100)12V/100AH

Overload capacity (4/6 hrs) 110% for 60 min.

125% for 10 min.

150% for 1 min

Battery make (All Make mandatory to quote)

EXIDE SMF / Tubular

OR

Amaron Quanta -SMF / Tubular

Minimum VAH Rating

Backup/VAH 5 KVA /7.5 KVA

4/6 hrs /19200 /19200

Output voltage to be within 230 + / - 1% during the above back up time.