

20KVA ONLINE UPS – 1No

(Tender Ref. No. NIN/ST/12/Tender/2019/Online UPS 20KVA/34)

Features :

- The UPS should have soft start facility
- Dual Conversion IGBT based True Online UPS
- The system should be able to start without mains
- ISO Certification for manufacturing

Specifications :

- Input voltage range/nominal : 325-470 V/ 415V, 3PH
- Input Frequency : 45 to 55Hz
- Input power factor : 0.95 or better
- Rectifier technology : IGBT based
- Output voltage : 415V \pm 1 % three phase + neutral
- Output wave form : Pure sinusoidal wave (THD < 3%)
- Output frequency : 50Hz \pm 1Hz
- Power rating : 20KVA
- Crest Factor : 3 : 1
- Load power factor : 0.8 lag to unity
- Overload : 125% for 10minutes
- Metering : Output voltage/ Output current/ Battery voltage/
Battery current/ Output frequency
- Supervisory/ Indication : Mains ON, Inverter ON, Inverter Overload,
Battery low, Over voltage, Under voltage,
Charger ON/OFF
- Operating switches : Mains ON/OFF, Charge ON/OFF, Battery On/OFF
and bypass switch
- Protections : Overload/short circuit/overcharge/battery low/
Inverter over voltage and under voltage, spike, surge
etc.
- Auto alarm : Mains failure/low battery/over load
- Efficiency : Better than 92%
- Isolation transformer : Built-in with surge suppressor
- Battery : SMF (branded) along with battery rack
- Back up time : 60mins
- Safety features : The system should switch over to UPS mode when
one of the three phase voltage is low/high or off
- Installation : The supplier should be responsible to supply suitable
rated input cables, electrical fittings, panel with rated
switches, etc., required for installation.
- Warranty : 3years comprehensive warranty along with 2years
non-comprehensive warranty