

FEATURES

A Synthesis of the Best Technologies

- True Online Double Conversion design
- Perfected & proven design to work in extreme power conditions
- High efficiency, Low running cost (24 x 7 operation)

Power Friendly

- State-of-the-Art PWM rectifier with inbuilt APFC
- Near unity power factor
- Controlled input harmonic level
- Wide input Voltage window

Robust Charger Longer Backups

- Robust battery charger to charge the batteries quickly for longer backup duration
- Advance battery management

Superior Output Power Quality

- Dual Microprocessor controlled, IGBT based Inverter, a synthesis of best technologies
- Low distortion on full non-linear loads
- Superior static & dynamic regulation

High Reliability

- Designed & Manufactured in accordance with ISO 9001 : 2000
- Complied with testing standard IEC 62040 Part III

Easy Maintenance

- Automatic bypass
- Hot swappable batteries

Advanced Communication Interface

- Flexibility at an interface level
- UPSMON II* software solution for Data, Event monitoring
- Auto shut down from remote places
- SNMP compliant*
- BMS compliant*
- Ease of operation
- Easy to install
- User friendly digital display

Well Protected Load

- Protected against abnormal input conditions
- Against short circuit, overload, over / under Voltage

Compliance to International standards

- Complied to International standards on EMC / EMI

* (optional)

User friendly display

Displays necessary information of UPS,

- Input Voltage,
- Heat sink temp,
- DC / Battery Voltage,
- Output Voltage,
- Output Frequency
- Output current

Indicates and annunciates eight different alarm conditions like;

- Input under Voltage,
- Output overload,
- Battery low etc.

The LED indications on the fascia provides UPS status at a glance.



SPECIFICATIONS

| Model | LNux 110 | |
|---------------------------|--|-----------------|
| Rating (in kVA) | 3, 5, 6 kVA | |
| Input Voltage | 230 V (-30% to +20%) 1 Ph & N | |
| Input Power Factor | Near Unity | |
| Battery Voltage | 192 V DC | |
| Output Power | 3 kVA / 2.4 kW, 5 kVA / 4 kW, 6 kVA / 4.2 kW | |
| Output Voltage | 230 V (± 1%) 1 Ph & N | |
| Output Frequency | 50 Hz nominal (± 0.25 Hz in free running mode) | |
| Total Harmonic Distortion | < 3% on linear load, < 5% on non-linear load (Ref. IEC 62040 Part III) | |
| Overall Efficiency | upto 90% | |
| Transient Response | Complies to IEC 62040 Part III Class 1 | |
| Overload Capacity | 125% for 10 minutes ; 150% for 60 sec (Inverse time characteristics) | |
| Acoustic Noise Level | < 50 dbA @ 1 m | |
| Communications Interface | RS 232 | |
| Automatic Bypass | Integrated | |
| Cooling | Forced air | |
| Ambient Temp | 0 to 40 °C | |
| Relative Humidity | Upto 90% Rh, Non condensing | |
| Panel Dimensions (in mm) | 3 kVA | 225 x 550 x 600 |
| (W x D x H) | 5 & 6 kVA | 225 x 700 x 600 |

PROGRESSIVE ENERGY SYSTEM

Plot No-6, Street No-1
Dabri Industrial Area

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