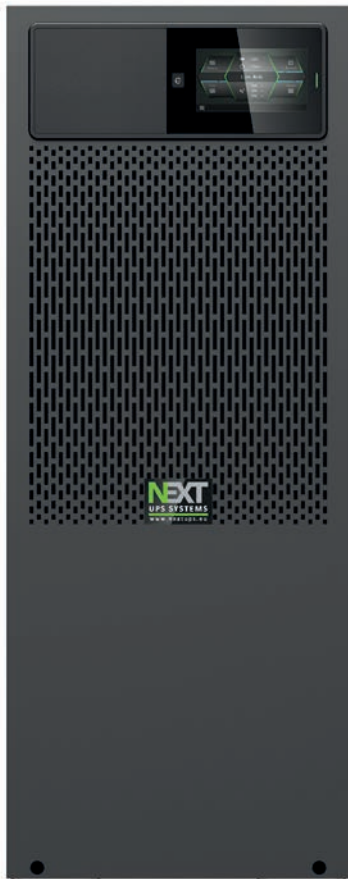


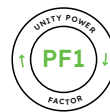
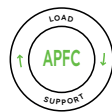
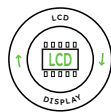
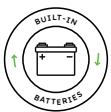
LYRA E-Connect Tower 3:3 NETPACK



LYRA 3:3 E-CONNECT 10/15/20 kVA TOWER

LYRA 3:3 E-CONNECT TOWER UPS 10/15/20 kVA

EXB LYRA 3:3 10/15/20 kVA



- Built-in OVCD protection, fan lock detection, over temperature detection, overload warning to enhance the product reliability
- Automatic detect additional EXB quantity will simplify EXB installation for IT users
- Low audible noise at typical load
- Dot matrix LCD support up to 10 languages for easy installation and service.
- 10-20kVA 3-3 model support Color touchable LCD display with gravity sensors
- Embedded Ethernet port solution provide safe network connection to Cloud which will meet the increasing IoT trend
- WLAN module for IoT connection
- Mobile APP for monitoring, configuration. Support Android/iOS
- USB HID enable monitoring on UPS without software installation
- Dry contactor for industrial condition
- Upgraded network card compliance with IEC standard cybersecurity

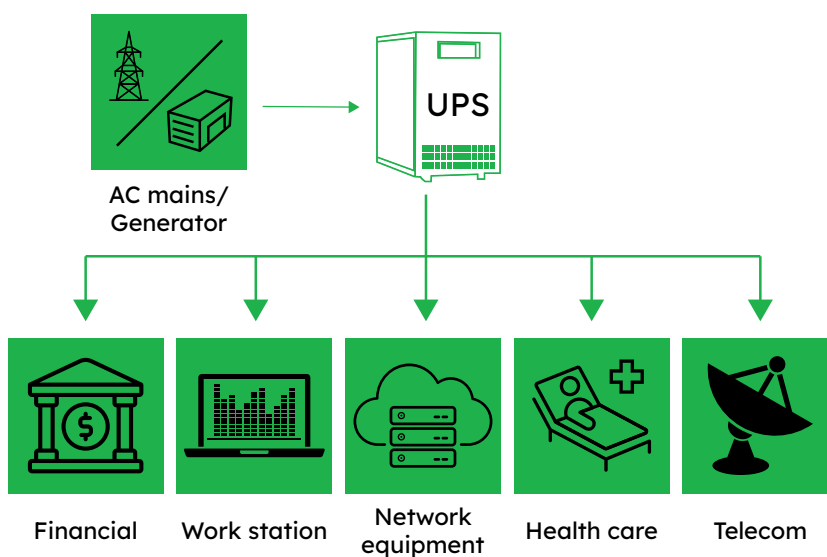
Key features

- True double-conversion design with high adaptability to harsh mains conditions
- Real PF 1 can provide more power in same space
- High efficiency results in energy saving
- Adjustable charging current and flexible battery configuration
- Optimized charging method to expand battery life time
- 10-20K 3-3 model can be configure as 3-1 or 1-1 model to meet utility and load wiring
- 10-20K 3-3 model can be configure as single source input or dual source input for utility and bypass

New Full range double conversion UPS

High density, true double conversion on-line power protection for IT (Information technology) and OT (operation technology) applications. Capable of supporting loads from 1 to 20kVA in a compact tower form. These latest range of UPS comes with future-proof connectivity design having the capability to connect to cloud seamlessly to allow the monitoring of the UPS online through any internet connected device. To ensure users information is safe and protected, these connectivity is compliant with IEC standard cybersecurity.

Typical application



Online

LYRA E-Connect Tower 3:3 NETPACK Selection Guide

| MODEL | Lyra E-Connect Tower 10000 3-3 NETPACK | Lyra E-Connect Tower 15000 3-3 NETPACK | Lyra E-Connect Tower 20000 3-3 NETPACK |
|--|--|---|---|
| Power Rating (VA / Watt) | 10000VA/10000W | 15000VA/15000W | 20000VA/20000W |
| EFFICIENCY | | | |
| Double conversion mode | 95% | 96% | 96% |
| ECO mode | 98% | 98.8% | 99% |
| INPUT PERFORMANCE | | | |
| Voltage range | 160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly | | |
| Rated frequency | 50Hz/60Hz | | |
| Frequency Range | 40Hz-70Hz (45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out) | | |
| PF | >0.995 | >0.995 | >0.995 |
| THDI | <3% linear load <5% non-linear load | <3% linear load <5% non-linear load | <3% linear load <5% non-linear load |
| INPUT CONNECTION L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass | | | |
| OUTPUT PERFORMANCE | | | |
| Rated voltage | 220/230/240V or 380/400/415V | | |
| Rated frequency | 50Hz/60Hz | | |
| Maximum PF | 1 | | |
| Voltage accuracy | ± 1% | | |
| THDv | <1% linear load <5% non-linear load | | |
| Transfer time | 0ms (2ms @ ECO+ -> Inverter) | | |
| Crest Ratio | max 3:1 | max 3:1 | max 3:1 |
| Overload | 100%<load≤105% continuous 105%< load ≤125% for 10 minutes 125%<load≤150% for 1 minute >150% for 500ms | | |
| OUTPUT CONNECTION (Wiring/socket) L1/L2/L3/N/PE or L/N/PE hardware terminal connection | | | |
| BATTERY (EUROBAT 6-9) | | | |
| Voltage | 192VDC (192-240VDC adjustable) | 384VDC (384-480VDC adjustable) | |
| Capacity(AH) | 2 x 8 x12V/9Ah, 16-20pcs adjustable | 2 x 16 x12V/9Ah, 32-40pcs adjustable | |
| Backup time Typical value by default battery capacity, PF=1 | 1.8min 100% load 4.5min 50% load | 2.0min 100% load 5.2min 50% load | 1.8min 100% load 4.7min 50% load |
| MAXIMUM CONNECT EXTERNAL BATTERY MODULE QUANTITY | 6 | 6 | 6 |
| CHARGER | | | |
| Charging current | 2.0A(0-13A adjustable) | 1.5A(0-13A adjustable) | 2.0A(0-13A adjustable) |
| Recharging time | 3h to 90% | | |
| OTHER WORKING MODE | | | |
| CVCF | Yes (derating to 60% load @ 1 phase in and 1 phase out mode) | | |
| Parallel | Optional (up to 3) | | |

Product specifications are subject to change without prior notice

| MODEL | Lyra E-Connect Tower 10000 3-3 NETPACK | Lyra E-Connect Tower 15000 3-3 NETPACK | Lyra E-Connect Tower 20000 3-3 NETPACK |
|---|--|--|--|
| HMI (HUMAN-MACHINE INTERFACE) | | | |
| Display | colour touch LCD (optional Dot matrix LCD) | | |
| Language | 10 Languages | 10 Languages | 10 Languages |
| USB | USB 2.0 with HID | USB 2.0 with HID | USB 2.0 with HID |
| RS232 | Yes (DB9) | Yes (DB9) | Yes (DB9) |
| Dry in/out | 1 programmable dry in; 1 programmable dry out | | |
| EPO | Yes | Yes | Yes |
| Intelligent slot | Yes (for long card) | Yes (for long card) | Yes (for long card) |
| Network card | Optional, NMC long card | Optional, NMC long card | Optional, NMC long card |
| Modbus card | Optional, CMC/Modbus Long Card | | |
| Dry contactor card | Optional, AS400 Long Card | | |
| WLAN module | Optional, HDMI type | Optional, HDMI type | Optional, HDMI type |
| Ethernet port for IOT | RJ45 | RJ45 | RJ45 |
| Monitor software | Winpower | Winpower | Winpower |
| PHYSICAL PERFORMANCE | | | |
| Dimensions (W x D x H) in mm | 350 x 650 x 890 | 350 x 650 x 890 | 350 x 650 x 890 |
| IP Protection level | IP20 | IP20 | IP20 |
| ENVIRONMENT | | | |
| Operating temperature | 0-50°C. (Power derating to 50% @40-50°C.) | | |
| Relative Humidity | 0-95% | | |
| Operating Altitude | 0~4000m (load derating 1% every 100m up @1000~4000m) | | |
| Acoustic Noise | <55dB @ typical load with battery fully charged | <55dB @ typical load with battery fully charged | <55dB @ typical load with battery fully charged |
| CERTIFICATION | | | |
| CE, IEC/EN 62040 | | | |
| EMI (Conduction/Radiation) | | | |
| | C3 | C3 | C3 |
| EMS | | | |
| ESD | IEC/EN 61000-4-2 | | |
| RS | IEC/EN 61000-4-3 | | |
| EFT | IEC/EN 61000-4-4 | | |
| Surge | IEC/EN 61000-4-5 | | |
| ACCESSORY | | | |
| Maintenance bypass switch | Standard | Standard | Standard |
| Input power cable | N/A | N/A | N/A |
| Output power cable | N/A | N/A | N/A |
| EXB cable | Yes (in EXB) | Yes (in EXB) | Yes (in EXB) |
| USB cable | Yes | Yes | Yes |
| RS232 cable | Optional | Optional | Optional |
| Manual | Yes | Yes | Yes |
| NEXT PART NUMBERS | | | |
| Lyra E-Connect Tower 3:3 NETPACK | 77199 | 77200 | 77201 |
| LYRA E-Connect 3:3 Tower EXB (Battery Extension) | 66020 | 66021 | 66021 |
| NEXT Maintenance Contract | Optional | Optional | Optional |