next
UPS SYSTEMS

PRODUCT CATALOGUE 2025

keep your devices running smoothly with our high-quality, reliable UPS ›

About NEXT UPS

NEXT UPS Systems is a European based company with over 20 years of experience in UPS power products. **NEXT UPS Systems** is committed to providing high quality products and services to meet diverse customer requirements.

EUROBAT 6-9 – Batteries

NEXT UPS Systems uses EUROBAT 6-9 Batteries (defined as "GENERAL PURPOSE" within the EUROBAT guide).*

Most other UPS brands use EUROBAT 3-5 Batteries for single phase products (defined as "STANDARD COMMERCIAL" within the EUROBAT guide).

3-YEARS Warranty - Pick-up & Return

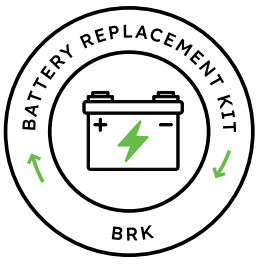
All **NEXT UPS Systems** single phase products grant you peace of mind for 3 years thanks to:

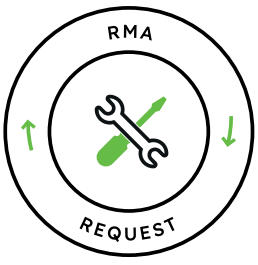
- UPS standard pick-up & return service on site
- Professional help-line
- Fast and efficient service wherever you are located

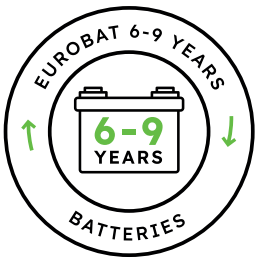
EXTENDED Portfolio

NEXT UPS Systems offers an extended portfolio of products & solutions, to meet today's requirements in all industries at an affordable price.

Our Services







* Lead-acid batteries

Discover our UPS Systems

NEXT UPS Systems is committed to delivering reliable and high-quality power by developing and manufacturing innovative and sustainable power conversion solutions, including, but not limited to, a full range of 1-phase and 3-phase UPS products.

Standard warranty: 36 months

All NEXT UPS Systems Single Phase products grants you peace of mind for 3 years.

The standard warranty on all Single Phase products is 36 months.

During this 3 years period your Single Phase UPS is covered by a standard exchange (Pick-up & Return) in the best timing conditions (depending on location, this can be between 48 & 72 hours). Logistic costs for shipping back your old UPS and delivering the repaired UPS will be covered by **NEXT UPS Systems**.

You will take advantage of a professional help-line who will grant you support thanks to the intervention of **NEXT UPS Systems** professionals.

- UPS standard exchange on site (Pick-up & Return)
- Professional help-line
- Fast and efficient service wherever you are located

NEXT UPS Systems Overview

"At **NEXT UPS Systems** we're committed to providing solutions & services to our customers.
It's all about the right solution, at the right place, with the right **NEXT UPS Systems** product
We believe people make the difference between a good and a great company.
Welcome to **NEXT UPS Systems**, a great company..."

Mission and Vision

NEXT UPS Systems's identity is its commitment to customers, partners, distributors, employees, and the earth.
We strongly believe that each customer will be the key growth engine for **NEXT UPS Systems**.

All NEXT UPS Systems single-phase products come with a "3-year onsite warranty" *

NEXT UPS Systems come with a 3 year onsite warranty on single-phase products, electronics & batteries included.
As distributed product, we offer a warranty extension to 5 YEAR.

* Pick-up & return service

Discover our website: nextups.eu

Visit our website, constantly updated to showcase our top-quality UPS power products.

EUROBAT®

EUROBAT Sustainability Perspectives

The European battery industry, represented by EUROBAT, is continuously developing new ways to ensure that batteries remain a sustainable resource for the economy and the environment.

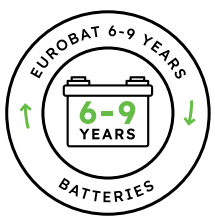
Batteries will continue to contribute to sustainability through the development of new applications for electric vehicles and renewable energy storage. In addition, battery manufacturers are ensuring that proper advancements are made so that battery production remains sustainable and has a minimal impact on the environment and human health. Innovations in carbon capture are also being made to reduce carbon emissions from factories, which will see continuous improvements in the future. Water treatment technologies are also being developed, and these advancements will significantly contribute to cleaner emissions from battery production.

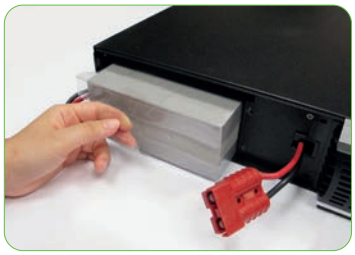
Improved recycling methods are being introduced, resulting in a greater amount of materials being recovered from end-of-life batteries. This ensures a further decrease in the demand for untapped resources, guaranteeing their continued availability in the future. EUROBAT and its members will continue to directly contribute to battery sustainability through the ongoing implementation of EUROBAT guidelines, monitoring blood-lead levels in Europe, and formulating further guidelines for the battery industry in areas such as workers' health and safety and the safe transport of batteries.

Source: Sustainability Report - By: EUROBAT Committee for Environmental Matters (CEM) - ©2012

NEXT UPS Systems uses EUROBAT 6-9 BATTERIES for higher sustainability and less energy/ecological footprint.

EUROBAT batteries used in standard UPS ≤ 10kVA		
UPS Brand	**NEXT UPS Systems**	**OTHER UPS Brands**
EUROBAT 6-9 batteries	✓	
EUROBAT 3-5 batteries		✓





THE EUROBAT® Guide for the Specification of Valve Regulated Lead-Acid Stationary Cells & Batteries

QUALIFICATIONS - In the absence of any other agreement between the manufacturer and the "User", the following characteristics may be qualified by test methods in the International Specification, IEC 60896-2.

EUROBAT 3 - 5 YEARS STANDARD COMMERCIAL
This group of batteries is at the consumer end of standby applications and is popular in small emergency equipment.

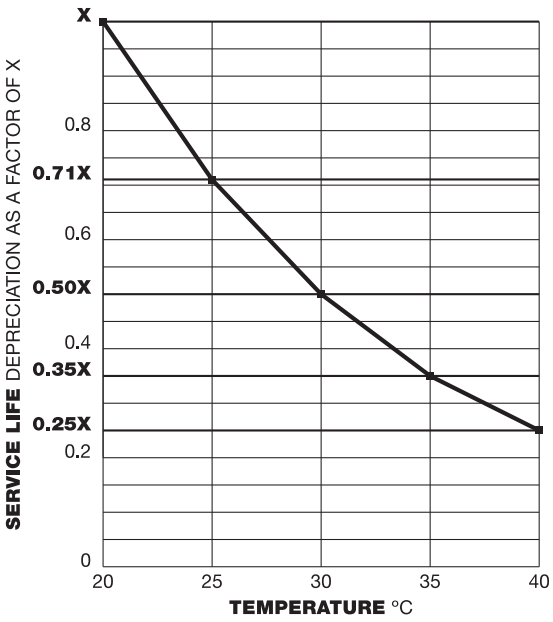
EUROBAT 6 - 9 YEARS GENERAL PURPOSE
This group of batteries is usually used when an improved life is required compared to the Standard Commercial products, and also in cases where operational conditions are more severe.

EUROBAT 10/12 YEARS LONG LIFE
This group of batteries is used where high power, long life, and high reliability are required.

EUROBAT > 12 YEARS VERY LONG LIFE
This group of batteries is used in applications where the longest life and highest reliability are required.

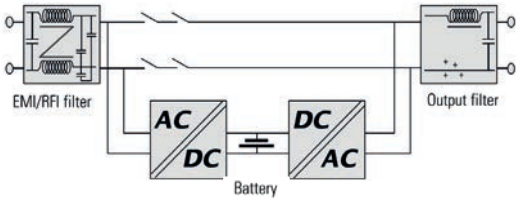
MAIN FACTORS AFFECTING SERVICE LIFE
Service life is strongly related to the working conditions of the battery.

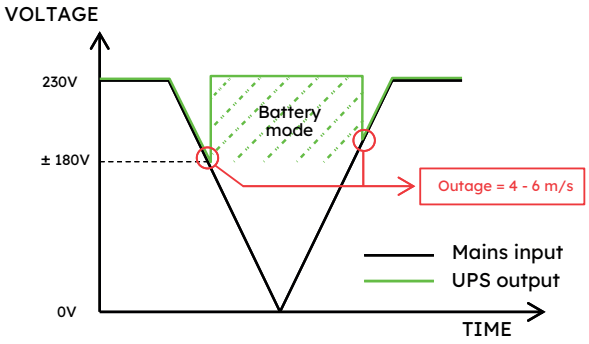
AMBIENT TEMPERATURE
Operation of valve-regulated lead-acid batteries on float at temperatures higher than 20°C. reduces the battery life expectancy, with a 50% life reduction per 10°C. constant increase in temperature. However, adjustment of the float voltage according to the ambient temperature might reduce this effect. More information should be available in the manufacturer's specification or operating guide.



UPS Technology

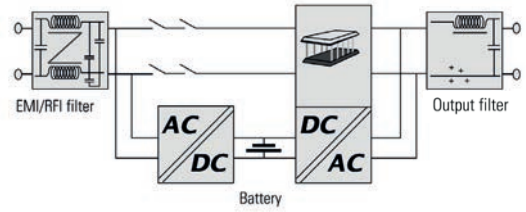
OFF-LINE TECHNOLOGY

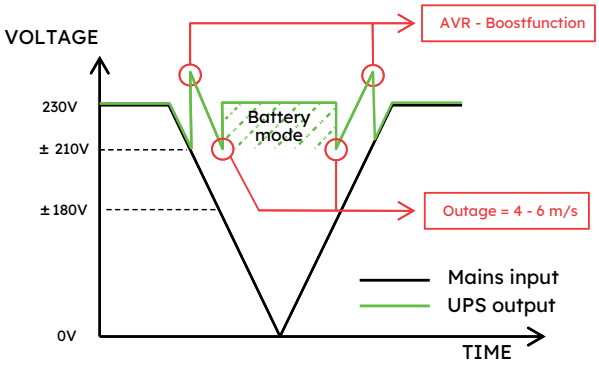




Passive standby topology (off-line) is the most frequently used UPS topology for protecting PCs against power failure, power sag and power surge. In normal mode, the UPS supplies power to the application directly from the mains, filtered but without active conversion. The battery is charged from the mains. In the event of a power cut or fluctuation, the UPS delivers stable power from the battery. The advantages of this topology are low cost and adequacy for office environments. Passive standby topology is not suitable if the power supply is of low quality (industrial sites) or subject to frequent disruptions.

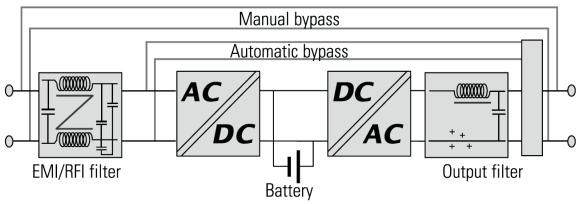
LINE INTERACTIVE TECHNOLOGY

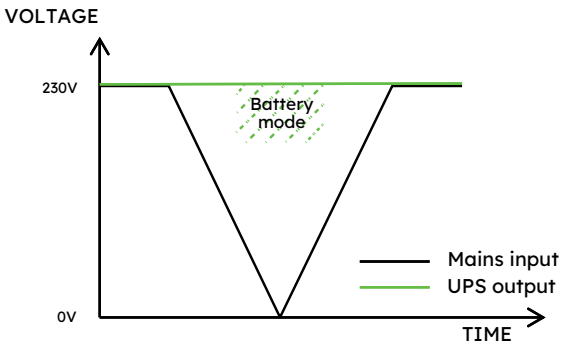




Line interactive topology is used for protecting enterprise networks and IT applications against power failure, power sag, power surge, undervoltage and overvoltage. In normal mode, the device is controlled by a microprocessor that monitors the quality of the supply and reacts to fluctuations. A voltage compensation circuit is enabled to boost (Boost) or reduce (Buck) (Automatic Voltage Regulation) the supply voltage to compensate for the fluctuations. The main advantage of this topology is that it enables compensation of under and overvoltage without using the batteries.

ON-LINE TECHNOLOGY





Double conversion topology (on-line) is a basis for UPSs designed for continuous power protection of critical equipment against all nine power problems: power failure, power sag, power surge, undervoltage, overvoltage, switching transient, line noise, frequency variation and harmonic distortion. It ensures a consistent quality of power supply regardless of disturbances in the incoming mains. The output voltage is entirely regenerated by a sequence of AC to DC conversion followed by DC to AC conversion in order to create power supply without any electrical interference. Double conversion UPSs can be used with any type of equipment as there are no transients when changing over to battery power.

Syncro+

- 600VA/800VA standby UPS
- High frequency design
- Compact size with stand and mounting flexibility
- Suitable for active PFC equipped personal computers
- Auto restart while AC is recovering
- Simulated sine wave output
- Cold start function
- USB communication port
- NEXTVision shutdown software suite
- 3 years NEXT Onsite warranty

IEC BE/FR NL/LU

SYNCRO+ Selection Guide

MODEL	SYNCRO+ 600	SYNCRO+ 800
CAPACITY	600 VA / 360 W	800 VA / 480 W
INPUT		
Voltage	220/230/240 VAC	
Acceptable Voltage Range	180 - 270 VAC	
Frequency	50Hz (Auto-sensing)	
OUTPUT		
Output Voltage	220/230/240 VAC	
Voltage Regulation (Batt. Mode)	± 10%	
Frequency Range (Batt. Mode)	50Hz ± 1 Hz	
Transfer Time (Typical)	2-6 ms	
Waveform (Batt. Mode)	Simulated Sinewave	
BATTERY		
Battery Type & Number	12 V / 9 Ah x 1	12 V / 9 Ah x 1
Typical Recharge Time	8 hours to recover 90% capacity	
INDICATORS		
AC Mode	Green lighting	
Battery Mode	Green flashing every 10 seconds	
Low Battery (Batt. Mode)	Green flashing every second and red lighting	
Fault	Red lighting	
ALARM		
Battery Mode	Sounding every 10 seconds	
Low Battery (Batt. Mode)	Sounding every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension, D x W x H (mm)	228 x 82.5 x 207 (vertical stand)	
Net Weight (kgs)	2.7	3.1
ENVIRONMENT		
Humidity	0-90%	
Operating Temperature	0- 40°C. (non-condensing)	
MANAGEMENT		
USB Port	Supports Windows®, Linux, Unix, and MAC	
NEXT PART NUMBERS		
SYNCRO+ IEC	22311	22312
SYNCRO+ BE/FR	22314	22315
SYNCRO+ NL/LU	22317	22318
NEXT 5+ warranty extension	11002	11002

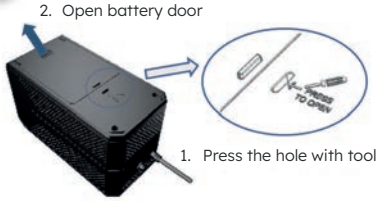
Product specifications are subject to change without prior notice

Office Protection Station II

8 outlets with 360J surge protection
- 4 surge protection only
- 4 surge protection and power backup

Battery easy replacement

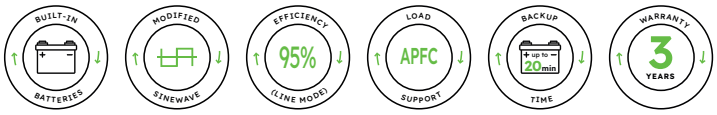
2. Open battery door



1. Press the hole with tool

Note: Follow manual for details and safety requirement.

- 650VA/850VA Line Interactive UPS
- Build-in voltage regulator for reliable power quality
- Super fast charger shortens the charging time to 2-4 hours
- HID USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS and Linux
- Supports loads with APFC (Active Power Factor Correction) switching power supply
- Multi outlet up to 8 pcs
- Support Surge protection
- Separated battery room and Support Battery easy replacement
- CE compliant
- 3 years NEXT Onsite warranty



Office Protection Station II Selection Guide

MODEL	Office Protection Station II 650	Office Protection Station II 850
CAPACITY	650 VA / 360 W	850 VA / 480 W
INPUT		
Voltage	220/230/240 VAC	
Acceptable Voltage Range	170 - 280 VAC	
Frequency	45-55Hz	
OUTPUT		
Output Power Factor	0.55	0.56
Nominal Output Voltage	230 VAC	
Voltage Regulation (Line Mode)	±15%	
Voltage Regulation (Battery Mode)	±10%	
Frequency Range (Battery Mode)	50Hz ±1Hz	
Waveform (Battery Mode)	Modified Sinewave	
EFFICIENCY		
Line Mode	95%	
AVR Mode	88%	
Battery Mode	60%	
BATTERY		
Battery Type & Number	12 V / 9 Ah x 1	
Typical Recharge Time	2-4 hours to recover 90% capacity	
INDICATORS		
AC Mode	Green lighting	
Battery Mode	Green flashing every 10 seconds	
Low Battery (Batt. Mode)	Green flashing every second and red lighting	
Fault	Red lighting	
ALARM		
Battery Mode	Sounding every 10 seconds	
Low Battery (Batt. Mode)	Sounding every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension, W x H x D (mm)	125 x 150 x 254	
Net Weight (kgs)	5,4	
ENVIRONMENT		
Humidity	0-90%	
Operating Temperature	0-40°C. (non-condensing)	
NEXT PART NUMBERS		
Office Protection Station II BE/FR	22323	22324
Office Protection Station NL/LU	22325	22326
NEXT 5+ warranty extension	11002	11002

BE/FR NL/LU

Mint +

- 700VA/1000VA/1200VA/1500VA line interactive UPS
- Built-in super smart charger, shorten 50% of charging time
- Excellent microprocessor control guarantees high reliability
- Boost and buck AVR for voltage stabilization
- Auto restart while AC is recovering
- Simulated sine wave output
- Off-mode charging
- Cold start function
- USB communications port and RJ-11/RJ-45 protection
- 5V USB charger port for mobile devices
- LCD panels for selections & real-time UPS status
- Easy replaceable & hot-swappable battery
- NEXTVision shutdown software suite
- 3 years NEXT Onsite warranty

Mint + Selection Guide

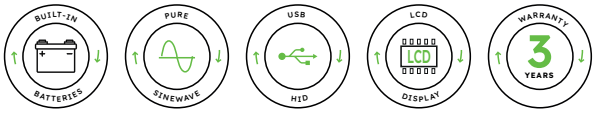
MODEL	Mint+ 700	Mint+ 1000	Mint+ 1200	Mint+ 1500
CAPACITY	700 VA / 420 W	1000 VA / 600 W	1200 VA / 720 W	1500 VA / 900 W
INPUT				
Voltage	220/230/240 VAC			
Voltage Range	170-280 VAC			
Frequency Range	50 Hz - 60 Hz (auto-sensing)			
OUTPUT				
Output Voltage	220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)	±10%			
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ±1 Hz			
Transfer Time	Typical 2-6 ms, 10ms max.			
Waveform (Batt. Mode)	Simulated Sinewave			
BATTERY				
Battery Type & Number	12 V / 9 Ah x 1	12 V / 9 Ah x 1	12 V / 9 Ah x 2	12 V / 9 Ah x 2
Typical Recharge Time	4-6 hours to recover 90% capacity			
PROTECTION				
Full Protection	Overload, discharge, and overcharge protection			
INDICATORS				
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
ALARM				
Battery Mode	Sounding every 10 seconds			
Low Battery	Sounding every second			
Overload	Sounding every 0.5 second			
Battery Replacement Alarm	Sounding every 2 seconds			
Fault	Continuously sounding			
PHYSICAL				
Dimension, D x W x H (mm)	288 x 99 x 280	288 x 99 x 280	410 x 99 x 280	
Net Weight (kgs)	7.9	8.5	11.8	13.1
ENVIRONMENT				
Humidity	0-90% RH @ 0-40°C. (non-condensing)			
Noise Level	Less than 40dB			
MANAGEMENT				
USB Port	Supports Windows®, Linux, Unix, and MAC			
NEXT PART NUMBERS				
MINT+ BE/FR	44244	44245	44246	44247
MINT+ NL/LU	44248	44249	44250	44251
MINT+ IEC	-	44253	-	44254
NEXT 5+ warranty extension	11002	11002	11003	11003

Product specifications are subject to change without prior notice

Mantis II Tower

LCD Display Panel

- Ideal for network equipment,NAS,ATM and Kiosks
- Line-interactive UPS with sine wave output
- Cost-efficient solution without compromising the performance
- High conversion efficiency (>95%) results in energy saving
- Automatic boost and buck voltage regulation
- LCD graphic display gives comprehensive information at a glance
- HID-compatible USB port
- Easy battery replacement
- Compact design and easy to install
- CE and UL applicable

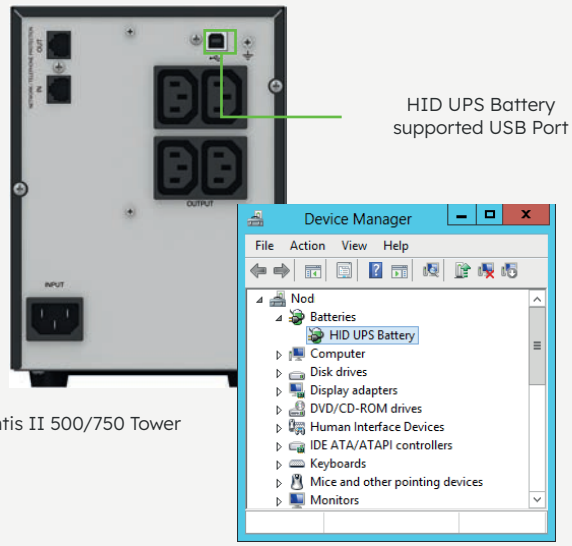


• USB HID

Getting tired of installing monitoring software for UPS? With our UPS featured USB port which supports HID (Human Interface Device) Power Device Class, no more software installation is needed.

Computer's Operating systems such as Windows/Linux/ MAC OS comes with an embedded power management and monitoring function. When such computer connects to a UPS with this feature, the UPS will be automatically recognized by the OS as a "HID UPS Battery".

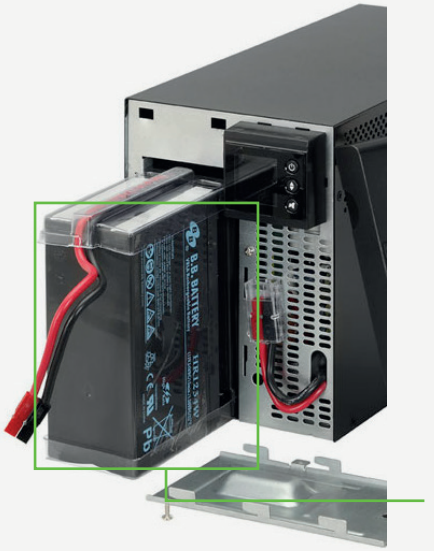
UPSs with this feature is also ideal as a back-up power for NAS (Network Attached Storage).



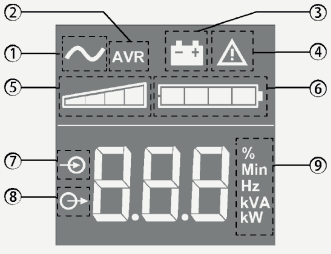
Mantis II 500/750 Tower

• Hot-swappable battery design

This design ensures clean and uninterruptible power to protected equipment during battery replacement.



• User-friendly LCD display



❶ UPS ON
❷ AVR mode
❸ Battery mode
❹ Internal fault
❺ Output load level
❻ Battery level
❼ Input measurements
❽ Output measurements
❾ Measuring unit

Mantis II Tower Selection Guide

MODEL	MANTIS II 500 Tower	MANTIS II 750 Tower	MANTIS II 1000 Tower	MANTIS II 1500 Tower
CAPACITY	500 VA / 350 W	750 VA / 450 W	1000 VA / 700 W	1500 VA / 900 W
INPUT				
Voltage	220/230/240 VAC			
Acceptable Voltage Range	176 - 288 VAC			
Frequency	55Hz			
OUTPUT				
Output Power Factor	0.7	0.6	0.7	0.6
Nominal Output Voltage	220/230/240V_{AC}			
Voltage Regulation (Line Mode)	-10% to +6%			
Voltage Regulation (Battery Mode)	-10% to +6%			
Frequency Range (Battery Mode)	50Hz ± 0.1Hz			
Waveform (Batt. Mode)	Pure sine wave			
EFFICIENCY				
Line Mode	>94%			
AVR Mode	>90%			
Battery Mode	>70%			
BATTERY				
Battery Type & Number	12 V / 9 Ah x 1		12 V / 9 Ah x 2	
Backup Time (@ Typical PC load)	20 min		40 min	
Typical Recharge Time (to 90%)	3 hours			
TRANSFER TIME				
Battery mode <-> Line mode	<10ms			
Display	LCD			
AUDIBLE ALARM	**Yes**			
PHYSICAL				
Dimension, W x H x D (mm)	150 x 209 x 240 mm		150 x 209 x 340 mm	
Net Weight (kgs)	6.8 kg		11.5 kg	
ENVIRONMENT				
Noise level	<40dBA @ 1 meter		<45dBA @ 1 meter	
Operating Temperature	0-40°C. (non-condensing)			
NEXT PART NUMBERS				
MANTIS II Tower	44240	44233	44234	44235
NEXT 5+ warranty extension	11002	11003	11003	11003

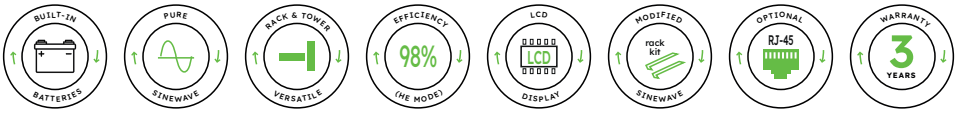
Product specifications are subject to change without prior notice

Mantis RT

LCD Display Panel

Rack display

Tower display



- **Microprocessor-based line interactive design**

Mantis RT UPS is designed with microprocessor controller for fast response to power disturbances.

- **Pure sine wave output**

With pure sine wave output, Mantis RT series guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

- **User-friendly and easy-shift LCD display**

The front panel digital display can be easily shifted through LCD setting to suit the installation format, vertically stand or flat wall mount.

- **Rack/Tower design**

Mantis RT series is designed in true 2U universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.

19" rack-mounting

Floor-standing Tower

- **Built-in boost and buck AVR**

With built-in voltage regulator, the UPS will maintain regulated nominal output without using battery power during brownouts and overvoltages.

- **Output power factor 0.9**

Mantis RT is a high-density UPS with output power factor 0.9 to provide higher performance and efficiency to critical applications.

- **Hot-swappable battery design**

This design ensures clean and uninterruptible power to protected equipment during battery replacement.

- **Programmable power management outlets**

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

Mantis RT2U 1100/1500/2000

Programmable Outlets (P1)
- connect to non-critical devices

- **ECO operation for energy saving (Efficiency Corrective Optimizer)**

The ECO function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

- **Emergency Power Off Function (EPO)**

This feature can secure the personnel and equipment in case of fires or other emergencies.

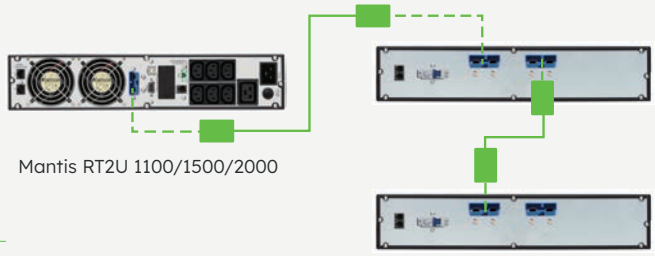
- **EXB Battery extensions available**

To provide longer backup time, we also offer EXB Battery extensions for Mantis RT series.

- **Multiple communication available**

  - USB port
  - RS-232 port
  - SNMP slot

We also offer free monitoring software, NEXTVision, downloaded from the internet. This advanced and networking software supports various operating systems and multiple languages.



Mantis RT2U 1100/1500/2000

Mantis RT Selection Guide

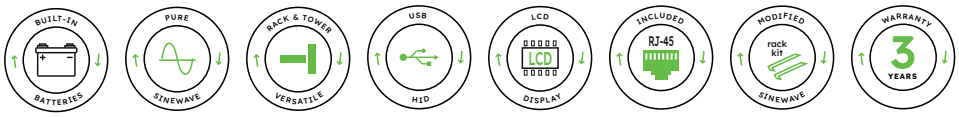
MODEL		Mantis 1100 RT2U	Mantis 1500 RT2U	Mantis 2000 RT2U	Mantis 3000 RT2U
CAPACITY		1100 VA / 990 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Voltage		208/220/230/240 VAC			
Acceptable Voltage Range		162-290 VAC			
Frequency Range		50 Hz (auto-sensing)			
OUTPUT					
Output Voltage		208/220/230/240 VAC			
Voltage Regulation (Batt. Mode)		±3% (before battery alarm)			
Frequency Range (Batt. Mode)		50 Hz ± 1 Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)			
Transfer Time		Typical 2-6 ms, 10 ms max.			
Waveform (Batt. Mode)		Pure sine wave			
EFFICIENCY					
AC Mode		97%	97%		97%
Buck & Boost Mode		90%	90%		90%
Battery Mode		83%	85%		87%
BATTERY					
Standard Model	Type & Number	12 V/9 Ah x 2	12 V/9 Ah x 4	12 V/9 Ah x 4	12 V/9 Ah x 6
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ± 1%		82.1 VDC ± 1%
	Typical Recharge Time	4 hours to recover 90% capacity			
PROTECTION					
Full Protection		Overload, discharge, and overcharge protection			
INDICATORS					
LCD Display		AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
ALARM					
Battery Mode		Sounding every 10 seconds			
Low Battery		Sounding every second			
Overload		Sounding every 0.5 second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	Dimension D x W x H (mm)	380 x 438 x 88	480 x 438 x 88		600 x 438 x 88
	Net Weight (kgs)	14.23 kg	21.08 kg	23.1 kg	32.24 kg
ENVIRONMENT					
Humidity		0-90% RH @ 0-40°C. (non-condensing)			
Noise Level		Less than 45dB			
MANAGEMENT					
Smart RS-232/USB		Supports Windows®, Linux, Unix, and MAC			
Optional SNMP/Web Interface		Power management from SNMP manager and web browser			
NEXT PART NUMBERS					
MANTIS RT		44222	44223	44224	44226
MANTIS EXB RT (Battery extension)		66001	66003	66003	66004
NEXT 5+ Warranty Extension (UPS)		11004	11005	11005	11006
NEXT 5+ Warranty Extension (EXB)		11012	11014	11014	11015
SNMP/Web Interface		99002	99002	99002	99002

Product specifications are subject to change without prior notice

Mantis II RT NETPACK

SNMP WEB Interface II
included

LCD Display Panel



• Microprocessor-based line interactive design

Mantis RT UPS is designed with microprocessor controller for fast response to power disturbances.

• Pure sine wave output

With pure sine wave output, Mantis RT series guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

• User-friendly and easy-shift LCD display

The front panel digital display can be easily shifted to suit the installation format, vertically stand or flat wall mount.

• Rack/Tower design

Mantis RT series is designed in true 2U universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.

Floor-standing
Tower

19" rack-mounting

• Built-in boost and buck AVR

With built-in voltage regulator, the UPS will maintain regulated nominal output without using battery power during brownouts and overvoltages.

• Output power factor 0.9

Mantis II RT is a high-density UPS with output power factor 0.9 to provide higher performance and efficiency to critical applications.

• Hot-swappable battery design

This design ensures clean and uninterruptible power to protected equipment during battery replacement.

• Programmable power management outlets

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

Programmable Outlets (P1)
- connect to non-critical devices

Mantis II RT2U 3000 NP

• ECO operation for energy saving (Efficiency Corrective Optimizer)

The ECO function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

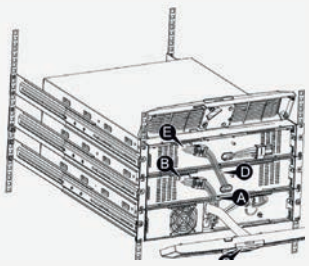
• Emergency Power Off Function (EPO)

This feature can secure the personnel and equipment in case of fires or other emergencies.

• EXB Battery extensions available

To provide longer backup time, we also offer EXB Battery extensions for Mantis II RT series. All connections are accessible from the front of the Unit.

• Multiple communication available



- USB/HID port
- RS-232 port
- SNMP/WEB Interface included

We also offer free monitoring software, NEXTVision, downloaded from the internet. This advanced and networking software supports various operating systems and multiple languages.

Mantis II RT NETPACK Selection Guide

MODEL		Mantis II 1000 RT2U NP	Mantis II 1500 RT2U NP	Mantis II 2000 RT2U NP	Mantis II 3000 RT2U NP
CAPACITY		1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Input Voltage Range		154 - 288 VAC			
Frequency Range		45-55 Hz			
Input Wiring		Single phase with ground			
Current Distortion (THDi)		10%			
OUTPUT					
Output Power Factor		0.9			
Nominal Output Voltage		220/230/240 VAC			
Voltage Regulation (Line Mode)		- 10% ~ + 6%			
Voltage Regulation (Batt. Mode)		± 5%			
Frequency Range (Batt. Mode)		50 ± 0.1 Hz			
Voltage Distortion (THDv)		< 3% @ linear load, < 6% @ non-linear load			
Output Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
Line Mode		97%			
AVR Mode		Boost mode: 92%, Buck mode: 95%			
Battery Mode		> 80%	> 82%		80%
BATTERY					
Standard Model	Type & Number	12 V / 9 Ah x 3		12 V / 9 Ah x 4	12 V / 9 Ah x 6
	Charging Current	1,5 A			
	Typical Recharge Time	4 hours recover to 90% capacity			
PROTECTION					
Full Protection		Overload, discharge, and overcharge protection			
INDICATORS					
LCD Display		AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
ALARM					
Battery Mode		Sounding every 10 seconds			
Low Battery		Sounding every second			
Overload		Sounding every 0.5 second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	Dimension, WxHxD (mm)	438 x 86,5 x 435		438 x 86,5 x 436	438 x 86,5 x 604
	Net Weight (kgs)	16	17,9	21	31
ENVIRONMENT					
Operating temperature		0- 40°C			
Noise Level		< 45dB			
MANAGEMENT					
Smart RS-232/USB		Supports Windows®, Linux, Unix, and MAC			
SNMP/Web Interface		Power management from SNMP manager and web browser			
NEXT PART NUMBERS					
MANTIS II RT2U NETPACK		44236	44237	44238	44239
EXB II RT2U (Battery extension)		66006	66006	66007	66008
NEXT 5+ Warranty Extension (UPS)		11005	11005	11006	11006
NEXT 5+ Warranty Extension (EXB)		11013	11013	11014	11015

Product specifications are subject to change without prior notice

LYRA E-Connect Tower NETPACK

- 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.
  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

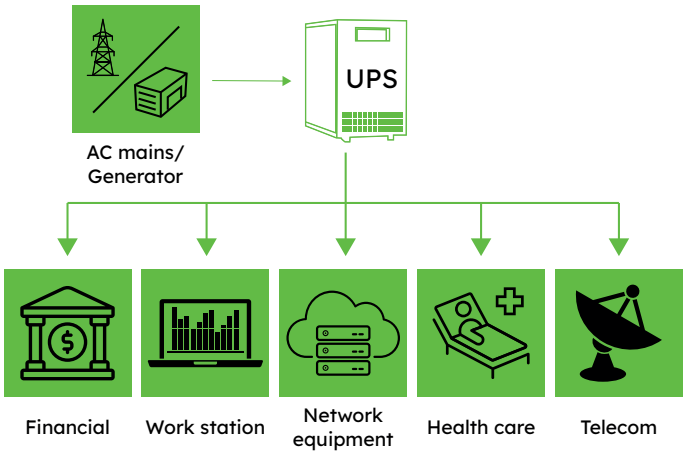
- True double-conversion design with high adaptability to harsh mains conditions
- Real PF 1 can provide more power in same space
- High efficiency results in energy saving
- Adjustable charging current and flexible battery configuration
- Optimized changing method to expand battery life time

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 10kVA 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



Product rear panel

UPS

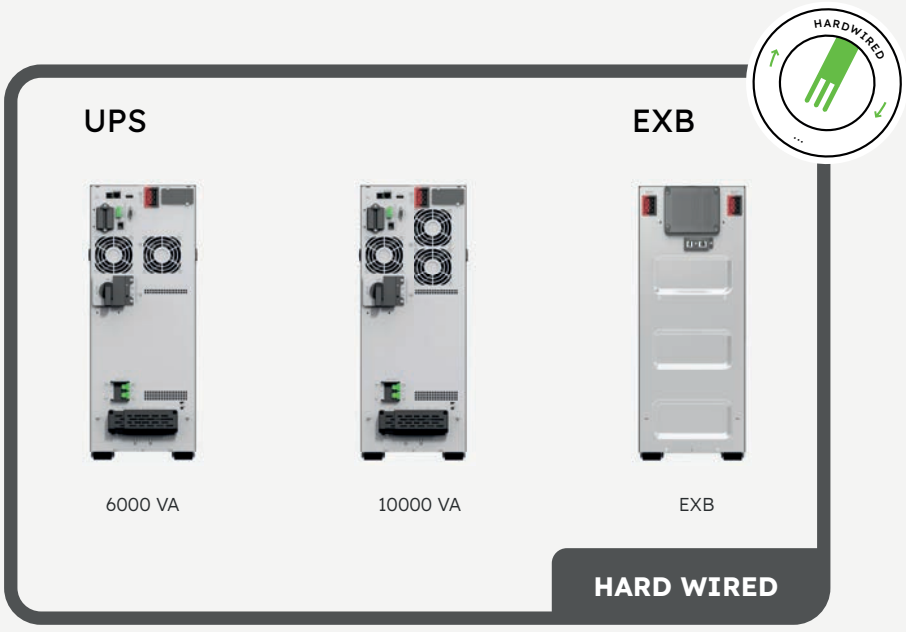
1500 VA

3000 VA

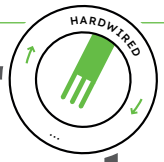
EXB

36VDC

72VDC



LYRA E-Connect Tower NETPACK Selection Guide



HARD WIRED

MODEL	Lyra E-Connect 1500 Tower NETPACK	Lyra E-Connect 3000 Tower NETPACK	Lyra E-Connect 6000 Tower NETPACK	Lyra E-Connect 10000 Tower NETPACK
Power Rating (VA / Watt)	1500VA/1500W (0-40°C.)	3000VA/3000W (0-40°C.)	6000VA/6000W	10000VA/10000W
EFFICIENCY				
Double conversion mode	89%	93%	95%	95%
ECO mode	97%	97%	98%	98%
INPUT PERFORMANCE				
Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly		160-275V 100% load, 110-160V derating to 50% load linearly	
Rated frequency	50Hz/60Hz		50Hz/60Hz	
Frequency Range	40Hz-70Hz (45Hz-55Hz, 54Hz-66Hz @ load>60%)		40Hz-70Hz (45Hz-55Hz, 54Hz-66Hz @ load>60%)	
PF	>0.99	>0.99	>0.995	>0.995
THDI	<5%	<5%	<3% linear load, <5% non-linear load	<3% linear load, <5% non-linear load
INPUT CONNECTION	**IEC C14**	**IEC C20**	**L/N/PE hardware terminal connection**	
OUTPUT PERFORMANCE				
Rated voltage	200/208/220/230/240VAC (derating 10% at 208V, derating 20% at 200V)		220/230/240V	
Rated frequency	50Hz/60Hz		50Hz/60Hz	
Maximum PF	1		1	
Voltage accuracy	± 1%		± 1%	
THDv	<1% linear load <5% non-linear load		<1% linear load <5% non-linear load	
Transfer time	0ms (4ms @ line <-> bypass 10ms @ ECO <-> Inverter)		0ms (10ms @ ECO -> Inverter)	
Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<load≤150% for 30 seconds. >150% for 500ms.		100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	
OUTPUT CONNECTION (Wiring/socket)	**4 x IEC C13**	**8 x IEC C13 + hardware terminal**	**L/N/PE hardware terminal connection**	
BATTERY (EUROBAT 6-9)				
Voltage	36VDC	72VDC	192VDC (192~240VDC adjustable)	
Capacity(AH)	3 x 12V/9Ah	6 x 12V/9Ah	16 x 12V/9Ah, 16~20pcs adjustable	
Backup time Typical value by default battery capacity, PF=1	2.4 min 100% load, 8.7 min 50% load	2.5 min 100% load, 9.3 min 50% load	3.6 min 100% load, 9.6 min 50% load	2.1 min 100% load, 8 min 50% load
MAXIMUM CONNECT EXTERNAL BATTERY MODULE QUANTITY	**4**	**4**	**6**	**6**
CHARGER				
Charging current	1.5 A		1.4A(0-4A adjustable)	2A(0-4A adjustable)
Recharging time	3 h to 90%		3 h to 90%	
OTHER WORKING MODE				
CVCF	Yes (derating to 60% load)		Yes (derating to 60% load)	
Parallell	No		Yes (up to 3)	

Product specifications are subject to change without prior notice

HARD WIRED

MODEL	Lyra E-Connect 1500 Tower NETPACK	Lyra E-Connect 3000 Tower NETPACK	Lyra E-Connect 6000 Tower NETPACK	Lyra E-Connect 10000 Tower NETPACK
HMI (HUMAN-MACHINE INTERFACE)				
Display	Dot matrix LCD, (optional segment LCD)		Dot matrix LCD	
Language	10 Languages	10 Languages	10 Languages	10 Languages
USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
RS232	Yes (DB9)	Yes (DB9)	Yes (DB9)	Yes (DB9)
Dry in/out	1 programmable dry in; 1 programmable dry out		1 programmable dry in; 1 programmable dry out	
EPO	Yes	Yes	Yes	Yes
Intelligent slot	Yes (for long card)	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	Optional, NMC long card
Modbus card	Optional, CMC/Modbus Long Card		Optional, CMC/Modbus Long Card	
Dry contactor card	Optional, AS400 Long Card		Optional, AS400 Long Card	
WLAN module	Optional, HDMI type	Optional, HDMI type	Optional, HDMI type	Optional, HDMI type
Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
Monitor software	Winpower	Winpower	Winpower	Winpower
PHYSICAL PERFORMANCE				
Dimensions (W x D x H) in mm	145 x 397 x 220	195 x 421 x 318	220 x 492 x 589	220 x 492 x 589
IP Protection level	IP20	IP20	IP20	IP20
ENVIRONMENT				
Operating temperature	0-45°C. (Power derating to 80% @40-45°C.)		0-50°C. (Power derating to 50% @40-50°C.)	
Relative Humidity	0-95%		0-95%	
Operating Altitude	0~3000m (load derating 1% every 100m up @1000~3000m)		0~3000m (load derating 1% every 100m up @1000~3000m)	
Acoustic Noise	<45dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
CERTIFICATION	**CE, IEC/EN 62040**		**CE, IEC/EN 62040**	
EMI (Conduction/Radiation)	**C2**	**C2**	**C3**	**C3**
EMS				
ESD	IEC/EN 61000-4-2		IEC/EN 61000-4-2	
RS	IEC/EN 61000-4-3		IEC/EN 61000-4-3	
EFT	IEC/EN 61000-4-4		IEC/EN 61000-4-4	
Surge	IEC/EN 61000-4-5		IEC/EN 61000-4-5	
ACCESSORY				
Maintenance bypass switch	N/A	N/A	Standard	Standard
Input power cable	Yes	Yes	N/A	N/A
Output power cable	Yes, 1 x 10A	Yes, 1 x 10A	N/A	N/A
EXB cable	Yes (in EXB)	Yes (in EXB)	Yes (in EXB)	Yes (in EXB)
USB cable	Yes	Yes	Yes	Yes
RS232 cable	Optional	Optional	Optional	Optional
Manual	Yes	Yes	Yes	Yes
NEXT PART NUMBERS				
LYRA E-Connect Tower NETPACK	77195	77196	77197	77198
LYRA E-Connect EXB Tower (Battery Extension)	66014	66015	66018	66018
NEXT 5+ Warranty Extension (UPS)	11005	11006	11010	11010
NEXT 5+ Warranty Extension (EXB)	11013	11015	11016	11016

Product specifications are subject to change without prior notice

LYRA E-Connect RT NETPACK

- Programmable outlet group will extend back up time for most critical equipment (6-20K need PDU model)
- Automatic detect additional EXB quantity will simplify EXB installation for IT users
- Low audible noise at typical load
- Compact size requiring small installation space
- Hot swappable battery will save customer service cost (For 1-3K standard UPS model)
- Dot matrix LCD support up to 10 languages for easy installation and service.
- 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

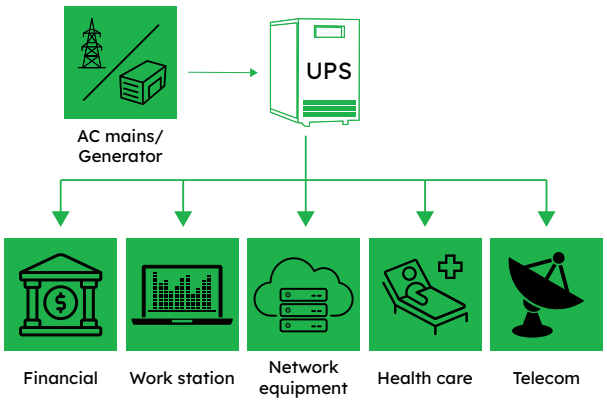
- True double-conversion design with high adaptability to harsh mains conditions
- Real PF 1 can provide more power in same space
- High efficiency results in energy saving
- Adjustable charging current and flexible battery configuration
- Optimized changing method to expand battery life time
- Built-in OVCD protection, fan lock detection, over temperature detection, overload warning to enhance the product reliability

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 10kVA in a rack/tower convertible form with a 2U/5U space.

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 and GDPR regulation.

Typical application



Product rear panel

UPS

1000/1500 VA

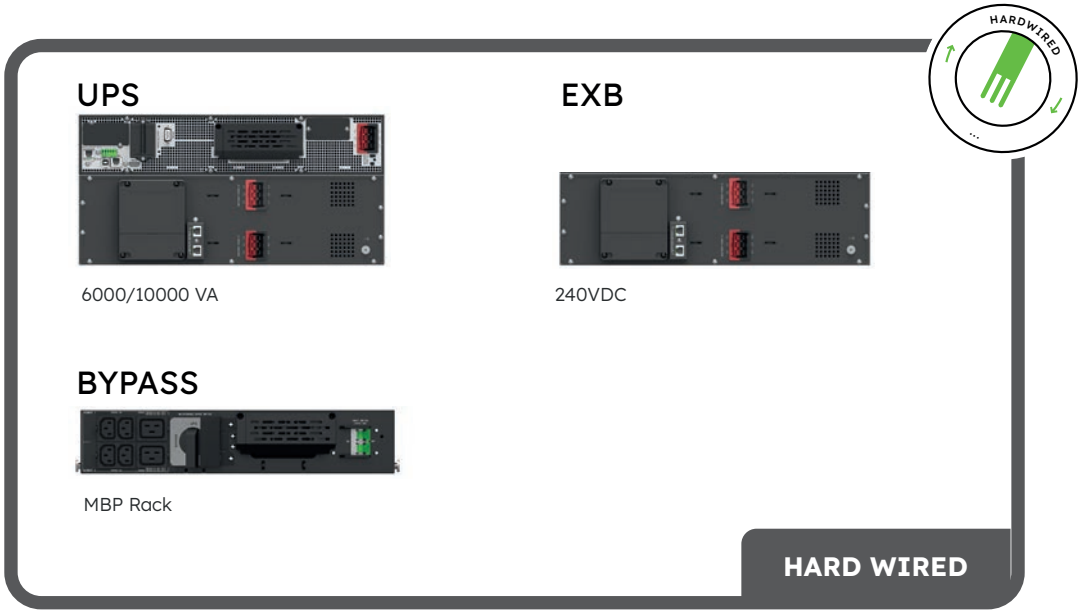
2000 VA

3000 VA

EXB

36VDC

72VDC



LYRA E-Connect RT NETPACK
Selection guide

MODEL	Lyra E-Connect 1000 RT2U NETPACK	Lyra E-Connect 1500 RT2U NETPACK	Lyra E-Connect 2000 RT2U NETPACK	Lyra E-Connect 3000 RT2U NETPACK
Power Rating (VA / Watt)	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
EFFICIENCY				
Double conversion mode	89%	89%	93%	93%
ECO mode	96%	97%	97%	97%
INPUT PERFORMANCE				
Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly			
Rated frequency	50Hz/60Hz			
Frequency Range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)			
PF	>0.99	>0.99	>0.995	>0.995
THDI	<5%	<5%	<5%	<5%
INPUT CONNECTION	**IEC C14**	**IEC C14**	**IEC C20**	**IEC C20**
OUTPUT PERFORMANCE				
Rated voltage	200/208/220/230/240VAC (derating 10% at 208V, derating 20% at 200V)			
Rated frequency	50Hz/60Hz			
Maximum PF	1			
Voltage accuracy	± 1%			
THDv	<1% linear load <5% non-linear load			
Transfer time	0ms (4ms @ line <-> bypass 10ms @ ECO <-> Inverter)			
Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<load≤150% for 30 seconds. >150% for 500ms.		100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	
OUTPUT CONNECTION (Wiring/socket)	**1 main outlet group (4x IEC C13) and 1 programmable outlet group (4x IEC C13)**	**1 main outlet group (4x IEC C13) and 1 programmable outlet group (4x IEC C13)**	**1 main outlet group (4x IEC C13) and 1 programmable outlet group (4x IEC C13)**	**1 main outlet group (4x IEC C13) and 1 programmable outlet group (4x IEC C13)**
LOAD SEGMENT CONTROL	**YES**	**YES**	**YES**	**YES**
BATTERY (EUROBAT 6-9)				
Voltage	36VDC		72VDC	
Capacity(AH)	3 x 12V/9Ah		6 x 12V/9Ah	
Backup time Typical value by default battery capacity, PF=1	3.0min 100% load 12.2min 50% load	2.4min 100% load 8.7min 50% load	3.3min 100% load 12.9min 50% load	2.5min 100% load 9.3min 50% load
MAXIMUM CONNECT EXTERNAL BATTERY MODULE QUANTITY	**4**	**4**	**4**	**4**
CHARGER				
Charging current	1.5 A			
Recharging time	3h to 90%			
OTHER WORKING MODE				
CVCF	Yes (derating to 60% load)			
Parallel	No		No	

Product specifications are subject to change without prior notice

MODEL	Lyra E-Connect 1000 RT2U NETPACK	Lyra E-Connect 1500 RT2U NETPACK	Lyra E-Connect 2000 RT2U NETPACK	Lyra E-Connect 3000 RT2U NETPACK
HMI (HUMAN-MACHINE INTERFACE)				
Display	Dot matrix LCD, rotatable manually (optional segment LCD)			
Language	10 Languages	10 Languages	10 Languages	10 Languages
USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
RS232	Yes (DB9)	Yes (DB9)	Yes (DB9)	Yes (DB9)
Dry in/out	1 programmable dry in; 1 programmable dry out			
EPO	Yes	Yes	Yes	Yes
Intelligent slot	Yes (for long card)			
Network card	Optional, NMC long card			
Modbus card	Optional, CMC/Modbus Long Card			
Dry contactor card	Optional, AS400 Long Card			
WLAN module	Optional, HDMI type			
Ethernet port for IOT	RJ45			
Monitor software	Winpower			
PHYSICAL PERFORMANCE				
Dimensions (W x D x H) in mm	438 x 445 x 86.5 (2U)	438 x 445 x 86.5 (2U)	438 x 600 x 86.5 (2U)	438 x 600 x 86.5 (2U)
IP Protection level	IP20	IP20	IP20	IP20
ENVIRONMENT				
Operating temperature	0-40°C.			
Relative Humidity	0-95%			
Operating Altitude	0~3000m (load derating 1% every 100m up @1000~3000m)			
Acoustic Noise	<45dB @ typical load with battery fully charged		<50dB @ typical load with battery fully charged	
CERTIFICATION	**CE, IEC/EN 62040**			
EMI (Conduction/Radiation)	**C2**			
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	N/A	N/A	Standard	Standard
Input power cable	Yes	Yes	N/A	N/A
Output power cable	Yes, 1 x 10A	Yes, 1 x 10A	N/A	N/A
EXB cable	Yes (in EXB)	Yes (in EXB)	Yes (in EXB)	Yes (in EXB)
USB cable	Yes	Yes	Yes	Yes
RS232 cable	Optional	Optional	Optional	Optional
Rail kit	Yes	Yes	Yes	Yes
Tower feet	Yes	Yes	Yes	Yes
Rack ear	Yes	Yes	Yes	Yes
NEXT PART NUMBERS				
LYRA E-Connect RT NETPACK	77202	77203	77204	77205
LYRA E-Connect EXB RT (Battery Extension)	66016	66016	66017	66017
NEXT 5+ Warranty Extension (UPS)	11006	11006	11008	11008
NEXT 5+ Warranty Extension (EXB)	11013	11013	11015	11015

Product specifications are subject to change without prior notice

LYRA E-Connect RT NETPACK
Selection guide

MODEL	Lyra E-Connect 6000 RT5U NETPACK	Lyra E-Connect 10000 RT5U NETPACK
Power Rating (VA / Watt)	6000VA/6000W	10000VA/10000W
EFFICIENCY		
Double conversion mode	95%	95%
ECO mode	98%	98%
INPUT PERFORMANCE		
Voltage range	160-275V 100% load, 100-160V derating to 50% load linearly	
Rated frequency	50Hz/60Hz	
Frequency Range	40Hz-70Hz (45Hz-55Hz 54Hz-66Hz @ load>60%)	
PF	>0.995	>0.995
THDI	<3% linear load <5% non-linear load	<3% linear load <5% non-linear load
INPUT CONNECTION	**L/N/ PE hardware terminal connection**	
OUTPUT PERFORMANCE		
Rated voltage	220/230/240V	
Rated frequency	50Hz/60Hz	
Maximum PF	1	
Voltage accuracy	± 1%	
THDv	<1% linear load <5% non-linear load	
Transfer time	0ms (10ms @ ECO+ -> Inverter)	
Crest Ratio	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)	**L/N/PE hardware terminal connection**	
Load Segment Control	**Optional (need MBP model)**	
BATTERY (EUROBAT 6-9)		
Voltage	240VDC (192-240VDC adjustable)	240VDC (384-480VDC adjustable)
Capacity(AH)	20 x 12V/9Ah, 16-20pcs adjustable	20 x12 V/9Ah, 32-40pcs adjustable
Backup time Typical value by default battery capacity, PF=1	3.6min 100% load 9.6min 50% load	2.1min 100% load 8.0min 50% load
MAXIMUM CONNECT EXTERNAL BATTERY MODULE QUANTITY	**6**	**6**
CHARGER		
Charging current	1.4A(0-4A adjustable)	2.0A(0-4A 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)	

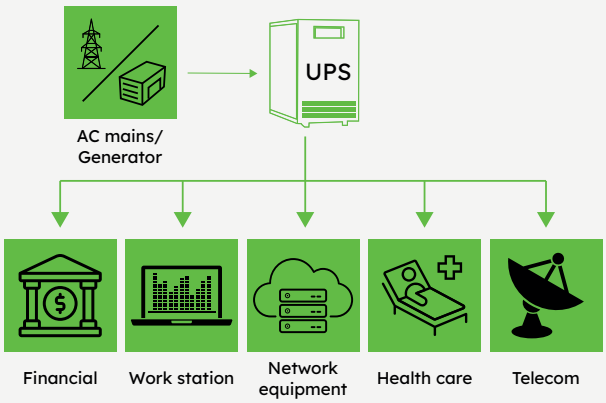
Product specifications are subject to change without prior notice

MODEL	Lyra E-Connect 6000 RT5U NETPACK	Lyra E-Connect 10000 RT5U NETPACK
HMI (HUMAN-MACHINE INTERFACE)		
Display	Dot matrix LCD, rotatable manually	
Language	10 Languages	
USB	USB 2.0 with HID	
RS232	Yes (DB9)	
Dry in/out	1 programmable dry in; 1 programmable dry out	
EPO	Yes	
Intelligent slot	Yes (for long card)	
Network card	Optional, NMC long card	
Modbus card	Optional, CMC/Modbus Long Card	
Dry contactor card	Optional, AS400 Long Card	
WLAN module	Optional, HDMI type	
Ethernet port for IOT	RJ45	
Monitor software	Winpower	
PHYSICAL PERFORMANCE		
Dimensions (W x D x H) in mm	5U height including 438 x 573 x 86.2 (Powermodule 2U) 438 x 573 x 129 (Battery 3U)	
IP Protection level	IP20	
ENVIRONMENT		
Operating temperature	0-50°C. (Power derating to 50% @40-50°C.)	
Relative Humidity	0-95%	
Operating Altitude	0~3000m (load derating 1% every 100m up @1000~3000m)	
Acoustic Noise	<50dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
CERTIFICATION	**CE, IEC/EN 62040**	
EMI (Conduction/Radiation)	**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	Optional (built-in 1 main outlet group with 1 x IEC C19 + 2 x IEC C13 and 1 programmable outlet group with 1 x IEC C19 + 2 x IEC C13)	
Input power cable	N/A	N/A
Output power cable	N/A	N/A
EXB cable	Yes (in EBM)	Yes (in EBM)
USB cable	Yes	Yes
Tower feet	Yes	Yes
Rack ear	Yes	Yes
RS232 cable	Optional	Optional
Manual	Yes	Yes
NEXT PART NUMBERS		
Lyra E-Connect RT NETPACK	77206	77207
LYRA E-Connect EXB RT (Battery Extension)	66019	66019
NEXT Maintenance Contract	Optional	Optional
NEXT 5+ Warranty Extension (UPS)	11011	11011
NEXT 5+ Warranty Extension (EXB)	11017	11017

LYRA E-CONNECT Li-Ion RT

Key features

- Maximum output power factor is 1, VA=W
- Up to 94% leading efficiency.
- Level 3 Built-in lithium battery, synchronization with UPS
- (Capacity, health, behavior, external balancing)
- Extended backup time with up to 4-6 optional EBMs, with
- automatic detection
- Compact design: 2U UPS+ 1U EBM
- Rack/tower dual set-up with rotatable LCD panel
- USB, RS232 port, dry contacts, RPO & ROO connectors,
- optional SNMP
- Built-in Ethernet port for cloud connection
- Certification: CE, UN38.3, IEC62019, UL1973(PACK).



Rear panel

UPS

1000 VA-1500 VA

2000 VA

3000 VA

EXB

EXB 48VDC

EXB 76.8VDC

EXB 76.8VDC

LYRA E-Connect Li-Ion UPS Advantage

Key Features	LYRA E-Connect RT Li-Ion 1-3KVA UPS	Advanced features compared to competitive product	Customer benefits
PF	1	11% more power than competitive offer	Supports 11% more load
EFFICIENCY	up to 94%	2% higher efficiency than competitive offer	Save more electricity expense
ADVANCE ABM AND LI-ION BATTERY PACK	Level 3 ABM synchronization with UPS (Pre-alarm capacity / health prediction, Multi level protection, etc.)	1. Safety/reliability improved 30%. 2. Prediction to reduce downtime lost 20%.	1. More charge discharge cycle and longer life, to save 1 time battery replacement (battery expense and service saving) 2. Reduce 1 time downtime lost and MTBF. 3. Reduce potential safety risk.
	Advance internal cell / pack / EXB balancing and protection.	1. Ensure backup time and eliminate abnormal downtime lost. 2. Ensure battery cell/pack life.	
	All-in-One design with auto addressing 1U Li-ion EXB.	1. Space saving. 2. Easy confi guration for start up and service.	1. Space saving 50% (1U) for Capex reduction (compared with normal 2U offer) 2. Reduce start up time and MTBF around 10 mins.

Product specifications are subject to change without prior notice

LYRA E-CONNECT Li-Ion RT
Selection guide

MODEL	E-Connect RT2U 1000	E-Connect RT2U 1500	E-Connect RT2U 2000	E-Connect RT2U 3000
Power Rating (VA / Watt)	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
EFFICIENCY				
Line mode	up to 91.3%	up to 92.1%	up to 93.8%	up to 94%
ECO mode	up to 97.1%	up to 98.2%	up to 97.8%	up to 98.4%
INPUT PERFORMANCE				
Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly			
Rated frequency	50Hz/60Hz			
Frequency Range	40Hz-70Hz (45Hz-55Hz, 54Hz-66Hz @ load>60%)			
PF	>0.99			
THDI	<5.5%		<5%	
INPUT CONNECTION (Socket RT)	**1x IEC C14**		**1x IEC C20**	
OUTPUT PERFORMANCE				
Rated voltage	200/208/220/230/240 VAC (derating 10% at 208V, derating 20% at 200V)			
Rated frequency	50Hz/60Hz			
Maximum PF	PF = 1			
Voltage accuracy	± 1%			
THDv	<1% linear load; <4% nonlinear load			
Transfer time	0ms@line <-> battery; 4ms @ line <-> bypass; 10ms @ ECO <->Inve rter			
Crest Ratio	max 3:1			
Overload	100%<load≤105% continuous, 105%< load ≤125% for 5 minutes 125<load≤150% for 30 seconds, >150% for 500ms			
OUTPUT CONNECTION				
Socket	1 main outlet group (with 4 x IEC C13) 1 programmable outlet group (with 4 x IEC C13) 240VDC (192-240VDC adjustable)			1 main outlet group (with 1 x IEC C19 + 4 x IEC C13) 1 programmable outlet group (with 4 x IEC C13)
Load segment control	1 programmable load segment control			
BATTERY (EUROBAT 6-9)				
Voltage	48VDC		76.8VDC	
Capacity(AH)	9Ah			
Material	Lithium-Ion (LiFePO4)			
MAXIMUM EXB QUANTITY	**6**			
CHARGER				
Charging method	BMS			
Charging current	1.5A			
Recharging time	3.6h to 90%		4.6h to 90%	
OTHER MODE				
CVCF	Yes (derating to 60% load)			

Product specifications are subject to change without prior notice

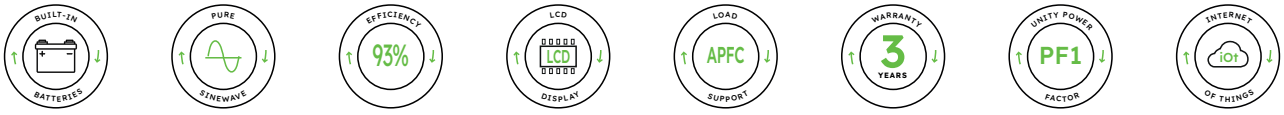
MODEL	E-Connect RT2U 1000	E-Connect RT2U 1500	E-Connect RT2U 2000	E-Connect RT2U 3000
HMI				
Display	Dot matrix LCD (optional segment LCD)			
Language	Multi-Language			
USB	USB 2.0 with HID power device			
RS232	Yes (DB9)			
Dry in/out	1 programmable dry in; 1 programmable dry out			
RPO	Yes			
Intelligent slot	Yes			
Network card	Optional			
Modbus card	Optional			
Dry contactor card	Optional			
Wireless module	Optional			
IOT Ethernet port	RJ45			
Monitor software	Winpower, Winpower View APP			
PHYSICAL PERFORMANCE				
Dimension (W*D*H)mm	438*445*85.5(2U)		438*600*85.5(2U)	
IP protection level	IP20			
Plug solid	Optional			
Wheel	No			
Environment				
Capacity(AH)	0-40°C			
Capacity(AH)	0 to 40°C (32 to 104°F) with batteries & -25 to 55°C (5 to 140°F) without batteries			
Capacity(AH)	0-95%			
Capacity(AH)	0~3000m (the load derating 1 % every up 100m @1000~3000m)			
Capacity(AH)	<45dB at front 1m		<50dB at front 1m	
CERTIFICATION				
UPS	CE/CB, IEC62040, UN38.3, UL1973 compliant (Pack)			
EXB	IEC62619, UN38.3, UL1973 compliant			
EMI				
Conduction / Radiation	C2			
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			
NEXT PART NUMBERS				
Lyra E-Connect Li-Ion RT	77211	77212	77213	77214
LYRA E-Connect Li-Ion EXB RT (Battery Extension)	66024		66025	
SNMP/Web Interface	99007			

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

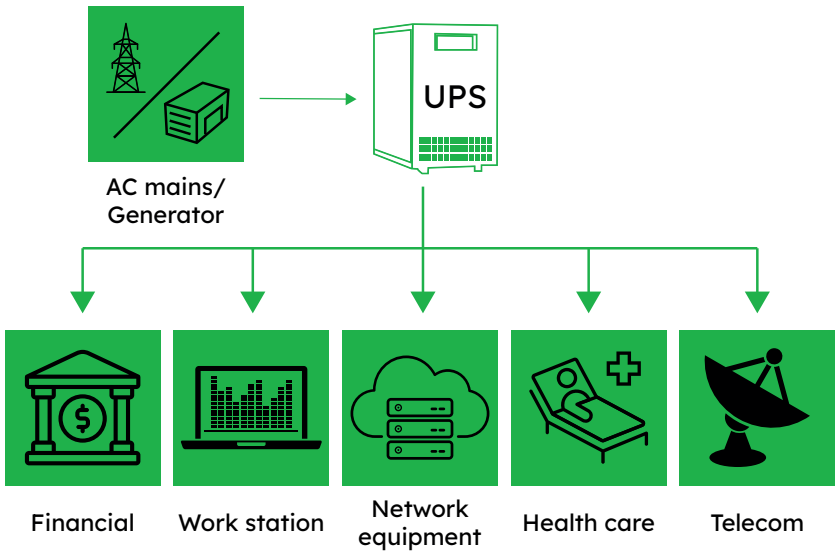
Key features

- 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 changing 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



LYRA E-Connect Tower 3:3 NETPACK Selection Guide

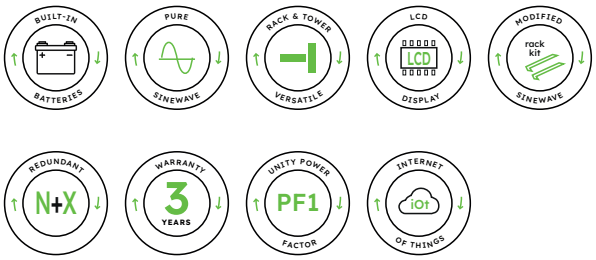
MODEL	Lyra E-Connect Tower 10000 3-3 NETPACK	Lyra E-Connect Tower 15000 3-3 NETPACK	Lyra E-Connect Tower 20000 3-3 NETPACK
Power Rating (VA / Watt)	10000VA/10000W	15000VA/15000W	20000VA/20000W
EFFICIENCY			
Double conversion mode	95%	96%	96%
ECO mode	98%	98.8%	99%
INPUT PERFORMANCE			
Voltage range	160-300V (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

Product specifications are subject to change without prior notice

LYRA E-Connect RT 3:3 NETPACK

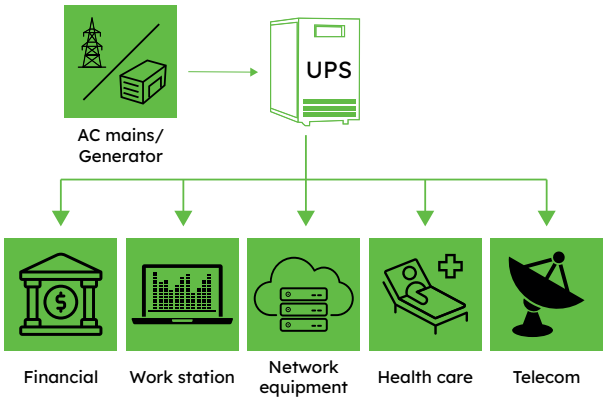


- Programmable outlet group will extend back up time for most critical equipment (10-20K need PDU model)
- Automatic detect additional EXB quantity will simplify EXB installation for IT users
- Low audible noise at typical load
- Compact size requiring small installation space
- Dot matrix LCD support 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 changing 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
- Built-in OVCD protection, fan lock detection, over temperature detection, overload warning to enhance the product reliability

Typical application



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 10 to 20kVA in a rack/tower convertible form with a 9U/15U space.

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 and GDPR regulation.

Product rear panel

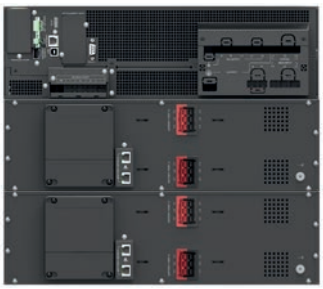
UPS

10000 VA

EXB

120 VDC

UPS



15000/20000 VA

EXB

240VCD

BYPASS

MPB

Online

3 Phase

LYRA E-Connect RT 3:3 NETPACK
Selection guide

MODEL	Lyra 3:3 E-Connect 10000 RT12U NETPACK	Lyra 3:3 E-Connect 15000 RT15U NETPACK	Lyra 3:3 E-Connect 20000 RT15U NETPACK
Power Rating (VA / Watt)	10000VA/10000W	15000VA/15000W	20000VA/20000W
EFFICIENCY			
Double conversion mode	95%	96%	96%
ECO mode	98%	98.8%	98.8%
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**		
Load Segment Control	**Optional (need MBP model)**		
BATTERY (EUROBAT 6-9)			
Voltage	240VDC (192-240VDC adjustable)	480VDC (384-480VDC adjustable)	480VDC (384-480VDC adjustable)
Capacity(AH)	2 x 10 x 12V/9Ah, 16-20pcs adjustable	2 x 20 x 12 V/9Ah, 32-40pcs adjustable	2 x 20 x 12 V/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)	1.4A (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)		

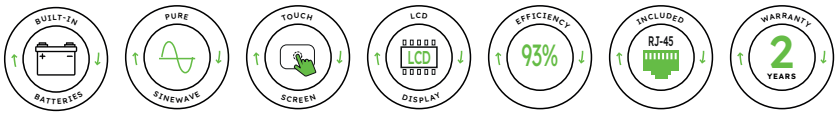
Product specifications are subject to change without prior notice

MODEL	Lyra 3:3 E-Connect 10000 RT12U NETPACK	Lyra 3:3 E-Connect 15000 RT15U NETPACK	Lyra 3:3 E-Connect 20000 RT15U NETPACK
HMI (HUMAN-MACHINE INTERFACE)			
Display	colour touch LCD (optional Dot matrix LCD)		
Language	10 Languages		
USB	USB 2.0 with HID		
RS232	Yes (DB9)		
Dry in/out	1 programmable dry in; 1 programmable dry out		
EPO	Yes		
Intelligent slot	Yes (for long card)		
Network card	Optional, NMC long card		
Modbus card	Optional, CMC/Modbus Long Card		
Dry contactor card	Optional, AS400 Long Card		
WLAN module	Optional, HDMI type		
Ethernet port for IOT	RJ45		
Monitor software	Winpower		
PHYSICAL PERFORMANCE			
Dimensions (W x D x H) in mm	6U height including 438 x 589 x 129 (power module, 3U) 438 x 593 x 129 (Battery, 3U)	9U height including 438 x 589 x 129 (power module, 3U) 438 x 593 x 129 x 2 (Battery, 6U)	
IP Protection level	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		
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	Optional (need MBP model)		
Input power cable	N/A		N/A
Output power cable	N/A		N/A
EXB cable	Yes (in EBM)		Yes (in EBM)
USB cable	Yes		Yes
Tower feet	Yes		Yes
Rack ear	Yes		Yes
RS232 cable	Optional		Optional
Manual	Yes		Yes
NEXT PART NUMBERS			
Lyra E-Connect RT 3:3 NETPACK	77208	77209	77210
LYRA E-Connect RT 3:3 EXB (Battery Extension)	66022	66023	
NEXT Maintenance Contract	Optional		

Product specifications are subject to change without prior notice

Lynx II Modular

Lynx II Modular Series – the modular three-phase double conversion Online UPS which can be configured with capacity from 15KVA to 150KVA to meet various applications such as data center, larger computer systems and equipment with large power demand. Instead of centralized control design, the UPS module is designed for N+X parallel redundant configuration which forms a robust system without SPOF (Single Point of Failure). 7” colorful touch-screen LCD provides user-friendly Interface for the display of operational information.



- Modular Online double conversion technology UPS
- Output power factor 0.9
- Hot-Swappable UPS module with wireless design
- N+X parallel redundant configuration which leaves no SPOF (Single Point Of Failure)
- Optimized performace with >93% efficiency
- Space saving compact design
- Variety of communications options available
- Flexible battery type configuration
- 7” graphic LCD panel design with multiple languates for easy-configuration
- 2 years NEXT Onsite warranty

LYNX II MODULAR Series feature all benefits of modern UPSs like high power factor 0.9, zero transfer time, three additional intelligent slots for extension cards, pure sine wave output with <2% THD with linear load.

External battery input is flexible allowing selecting from 32 to 40 batteries per set, which you can change with 7” full colour LCD panel.

This series is the best for redundant backup management, system with N+2 modules inserted increases availability of the UPS system over 99.99% and its MTBF (Mean Time Between Fails) over 10mln hours!
Everything is possible without cables and any setup, just pull out failed module and insert replacement, or simply install more modules in free slots.

Modular on-line UPS allows selecting desired power rating in range of 15kVA to 150kVA (up to 10 modules of 15kVA).

Modules are working in parallel without any need for extra cabling, synchronization or setup.

Additionally, modules are hot-swappable, which means you can insert another module even when UPS is fully energized and working.

There are four types of cabinets rated to 60kVA, 90kVA, 120kVA and 150kVA (different cabling, MBS rating etc), all of them are the same size and can fit 10 modules, so for example 90kVA cabinet with 10 modules will work in parallel 6+4 system.

Six modules (6x15kVA=90kVA rated) are enough to support the load and additional four are serving as redundant backup.
If any module fails, you can easily unplug it and replace without interruption for the operation.

The cabinets are top wired and they support dual input.

LYNX II Power Module 15kVA

Display

Lynx II Modular 60KVA-150KVA Online UPS Selection Guide

MODEL		LYNX II 60 kVA MODULAR	LYNX II 90 kVA MODULAR	LYNX II 120 kVA MODULAR	LYNX II 150 kVA MODULAR
GENERAL FEATURES					
Type UPS		Online UPS			
Power Capacity		60000VA / 54000W	90000VA / 81000W	120000VA / 108000W	150000VA / 135000W
Output Power Factor		0.90			
INPUT					
INPUT	Input Voltage Range	304-520 VAC			
	Dual Input	Yes			
	Max THDi	<5%			
	Input PF	≥ 0.99 at full load			
	Frequency Range	40Hz - 70Hz (self-adaptive to 50/60Hz)			
OUTPUT					
Nominal Output Voltage		353/380/400/415VAC			
Pure Sine Wave		Yes			
THDv		≤2% Full Linear Load; ≤4% Non-Linear Load			
TECHNICAL DETAILS					
Transfer Time (AC to Battery)		0ms			
Generator support		Yes			
Overload Capacity		10 min @ 110-130%; 1 s @ 130-150%; 0.15 s @ >150%			
External Battery Connection		Yes			
Charger		3,5A			
BATTERY & AUTONOMY TIME					
Batteries		Designed to work with external batteries. Batteries are not included.			
DC Voltage		32-40 x 12V			
CONNECTIONS AND COMMUNICATION					
Terminal Output		1			
Input		Terminal			
Software		Winpower			
USB port		Yes			
RS-232 Port		Yes			
Extension Slot		Yes, 3			
Dry Contacts		Yes			
EPO Port		Yes			
ENVIRONMENT					
Noise Level		< 62dB @ 75% load			
Temperature		0 - 40° C			
Humidity		5% - 90% RH (non-condensing)			
LOGISTICS					
Smart RS-232 / USB		Supports Windows®, Linux, Unix, and MAC			
SNMP/WEB Interface II		Power management from SNMP manager and web browser			
NEXT PART NUMBERS					
LYNX II MODULAR		77162	77163	BTO	BTO
LYNX II MODULAR Power Module 15 kVA		77164			

Product specifications are subject to change without prior notice

NEXT PDU / aPDU / iPDU

NEXT PDU (Basic PDU)

The perfect solution for improving availability and adding flexibility for single phase UPSs.

NEXT PDU - BE/FR - Ref. NEXT: 88012

NEXT PDU - NL/LU - Ref. NEXT: 88014

NEXT PDU - IEC LOCK - Ref. NEXT: 88016

- Having the right connectors just where you need them
- NEXT PDU (Power Distribution Units) are flexible mounting multiway socket blocks for easy connection of multiple loads either as free-standing or on rack-mounted UPSs
- NEXT PDUs have a large number of sockets (7 French (BE/FR) or 8 Schuko (NL/LU) or 8 IEC-LOCK) which fit into a very compact unit (1U - 19")
- NEXT PDUs are easy to implement into any type of installation: they can be rack mounted horizontally (1U) or vertically
- Integrated IEC-LOCK Plug Retention: Prevents accidental disconnect from being bumped or from vibration (IEC version only).

Technical specifications PDU & aPDU

	NEXT PDU	NEXT aPDU
Maximum power	16A	
Nominal Voltage	220 - 240 V	
INSTALLATION		
Format	1,5U (except BS) 19" rack-mounting with multi-position mountings	
INSTALLATION		
Format	19" rack or wall mounting	
Dimensions H x W x D	62 x 490 x 46 mm	
CONNECTION		
Inputs	1 IEC C20 (16 A) connector and 1 cables (1 IEC LOCK - C19 16 A - IEC 10 A cable) for connection to any UPS	
MONITORING		
Amp (TOTAL)	-	Yes
Voltage (TOTAL)	-	Yes
OUTPUTS		
BE/FR	7	6
NL/LU	8	7
IEC-LOCK	8	7
NEXT PART NUMBERS		
BE/FR OUTLETS	88012	88023
NL/LU OUTLETS	88014	88024
IEC-LOCK OUTLETS	88016	88025

Product specifications are subject to change without prior notice

NEXT aPDU (Amp/Volt metered PDU)

NEXT aPDU (Amp/Volt metered Power Distribution Units (PDUs)) provide active metering to enable energy optimization and circuit protection. Amp/Volt metered PDUs provide power utilization data to allow Data Center Managers to make informed decisions on load balancing and right-sizing IT environments to lower the total cost of ownership. The NEXT aPDU series includes local real-time Amp/Volt monitoring and IEC-lock receptacles.

NEXT aPDU - BE/FR - Ref. NEXT: 88023

NEXT aPDU - NL/LU - Ref. NEXT: 88024

NEXT aPDU - IEC LOCK - Ref. NEXT: 88025

- Having the right connectors just where you need them
- Active local Amp/Volt monitoring

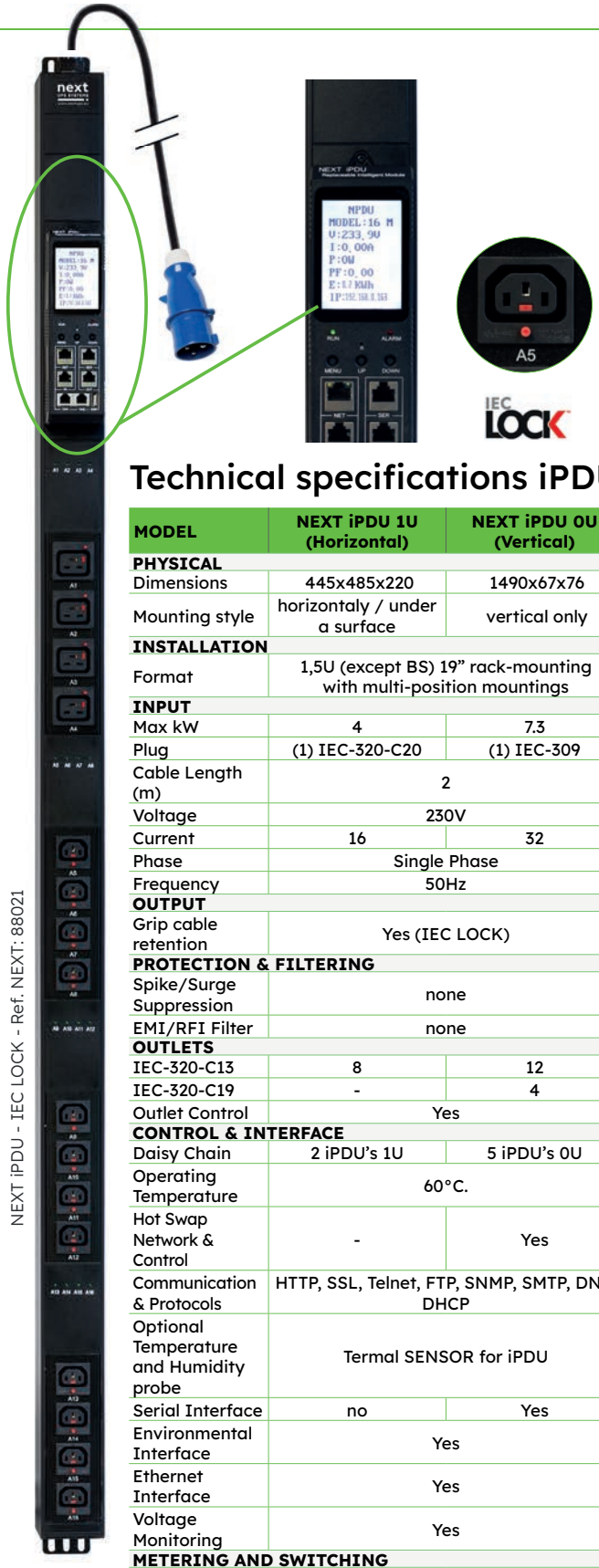
- NEXT aPDU (Power Distribution Units) are flexible mounting multiway socket blocks for easy connection of multiple loads either as free-standing or on rack-mounted UPSs
- NEXT aPDUs have a large number of sockets (6 French (BE/FR) or 7 Schuko (NL/LU) or 7 IEC-LOCK) which fit into a very compact unit (1U - 19")
- NEXT aPDUs are easy to implement into any type of installation: they can be rack mounted horizontally (1U) or vertically
- Integrated IEC-LOCK Plug Retention: Prevents accidental disconnect from being bumped or from vibration (IEC version only).

NEXT iPDU (Intelligent PDU)

NEXT iPDU - IEC LOCK - Ref. NEXT: 88020

NEXT iPDU's (Power Distribution Units) enable advanced, user-customizable power control and active monitoring. Remote outlet level controls allow power on/ off functio-nality for power cycling to remotely reboot equipment and restrict unauthorized use of individual outlets. Power sequencing time delays allow users to define the order in which to power up or down attached equipment to avoid circuit overload. Current metering provides real-time remote monitoring of connected loads with user-defined alarms to warn of potential circuit overloads. Users can access, configure, and control iPDUs through secure Web, SNMP, Command Line Interface, or Telnet Interfaces.
New NEXT iPDUs include real power monitoring, a tem-perature/humidity sensor port, and IEC-LOCK receptacles.

- Easy Configuration: includes central advanced LCD display with menu system (0U iPDU).
- Central Communication and Alerts: Read Current, Voltage, Power, kWhr and more, Interface allows easy identification of alerts. Easily monitor the status of your power distribution on the LCD (OU iPDU), via the web interface or via your management software.
- iPDUs are available in 0U to fit vertically on the back of a rack, or in 1U to be mounted horizontally in any server rack.
- Ensure the iPDU, plugs and cables are completely out of the way of equipment with button mount on the rear and sides.
- Choose to raise or lower the iPDU in the rack to suit your installation
- Active monitoring per outlet
- NEXT iPDUs have a large number of sockets:
  - 8 IEC-LOCK C13 (1U iPDU) which fit into a very compact unit (1U - 19")
  - 12 IEC-LOCK C13 & 4 IEC-LOCK C19 (0U iPDU)
- NEXT iPDUs are easy to implement into any type of installation: they can be rack mounted horizontally (1U) or vertically (0U)
- Integrated IEC-LOCK Plug Retention: Prevents accidental disconnect from being bumped or from vibration (IEC version only).



NEXT iPDU - IEC LOCK - Ref. NEXT: 88021

Technical specifications iPDU

MODEL	NEXT iPDU 1U (Horizontal)	NEXT iPDU 0U (Vertical)
PHYSICAL		
Dimensions	445x485x220	1490x67x76
Mounting style	horizontaly / under a surface	vertical only
INSTALLATION		
Format	1,5U (except BS) 19" rack-mounting with multi-position mountings	
INPUT		
Max kW	4	7.3
Plug	(1) IEC-320-C20	(1) IEC-309
Cable Length (m)	2	
Voltage	230V	
Current	16	32
Phase	Single Phase	
Frequency	50Hz	
OUTPUT		
Grip cable retention	Yes (IEC LOCK)	
PROTECTION & FILTERING		
Spike/Surge Suppression	none	
EMI/RFI Filter	none	
OUTLETS		
IEC-320-C13	8	12
IEC-320-C19	-	4
Outlet Control	Yes	
CONTROL & INTERFACE		
Daisy Chain	2 iPDU's 1U	5 iPDU's 0U
Operating Temperature	60°C.	
Hot Swap Network & Control	-	Yes
Communication & Protocols	HTTP, SSL, Telnet, FTP, SNMP, SMTP, DNS, DHCP	
Optional Temperature and Humidity probe	Termal SENSOR for iPDU	
Serial Interface	no	Yes
Environmental Interface	Yes	
Ethernet Interface	Yes	
Voltage Monitoring	Yes	
METERING AND SWITCHING		
Metering Characteristics	V, W, A and kWhr, Active power, Apparent Power, Peak Power	
Metering Accuracy	± 1%	
Circuit breaker status monitoring	Yes	
Switching	Outlet and Equipment Switching	
WARRANTY		
Standard Warranty	2 years	
NEXT PART NUMBERS		
NEXT iPDU	88020	88021
NEXT iPDU Termal Sensor	88022	

Product specifications are subject to change without prior notice

NEXT IEC Lock Powercables

IEC-C20 (M) -> IEC-C19(F)
NEXT Part # 88029

IEC-C14 (M) -> IEC-C19(F)
NEXT Part # 88030

EU PLUG (M) -> IEC-C19(F)
NEXT Part # 88031

IEC-C20 (M) -> IEC-C13(F)
NEXT Part # 88032

IEC-C14 (M) -> IEC-C13(F)
NEXT Part # 88033

EU PLUG (M) -> IEC-C13(F)
NEXT Part # 88034

Technical specifications IEC Lock Powercables

MODEL			NEXT IEC LOCK Power Cables 10A	NEXT IEC LOCK Power Cables 16A
CABLE SIZE				
Section			3 x 1.00 mm² H05 VV-F	3 x 1.50 mm² H05 VV-F
CABLE COLOUR				
Colour			BLACK	
CABLE LENGTH				
Length in meters			2 m	
TEST INFORMATION				
Test Body			KEMA, UL, SAA, KC, PSE	
Test Standard			IEC/EN 60320-1	
NEXT PART NUMBERS	**INPUT**	**OUTPUT**		
NEXT IEC-LOCK Power Cable	IEC-C20 (M)	IEC-C19 (F)	-	88029
NEXT IEC-LOCK Power Cable	IEC-C14 (M)	IEC-C19 (F)	88030	-
NEXT IEC-LOCK Power Cable	EU PLUG (M)	IEC-C19 (F)	-	88031
NEXT IEC-LOCK Power Cable	IEC-C20 (M)	IEC-C13 (F)	88032	-
NEXT IEC-LOCK Power Cable	IEC-C14 (M)	IEC-C13 (F)	88033	-
NEXT IEC-LOCK Power Cable	EU PLUG (M)	IEC-C13 (F)	88034	-

Product specifications are subject to change without prior notice

NEXT Maintenance Bypass Switch

NEXT HotSwap bypass HW (6kVA / 10 kVA) Rack - Ref. Next: 88005

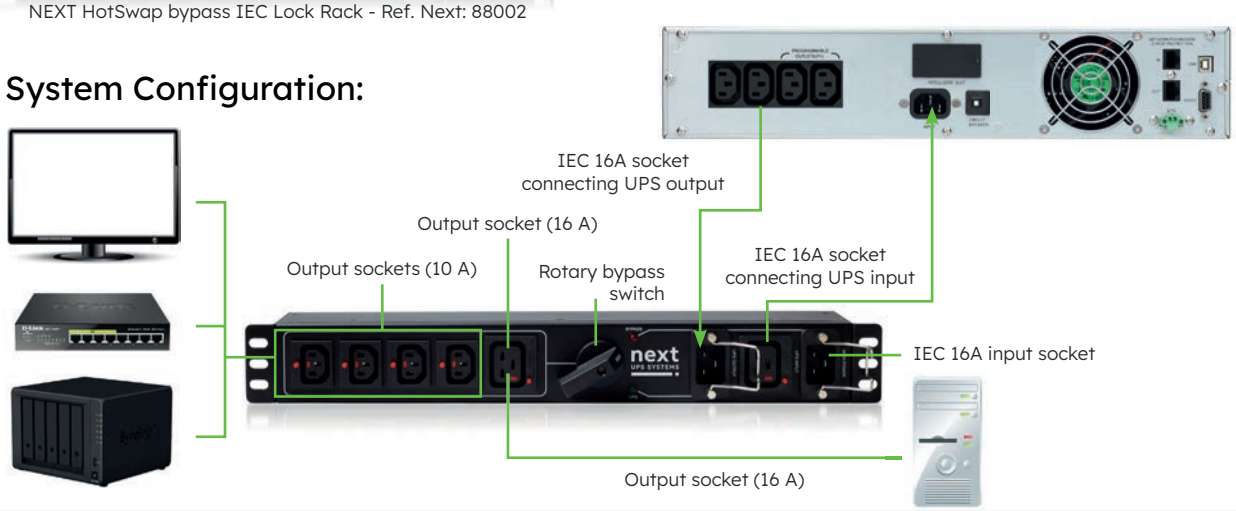
NEXT HotSwap bypass BE/FR Rack - Ref. Next: 88004

NEXT HotSwap bypass NL/LU Rack - Ref. Next: 88003

NEXT HotSwap bypass IEC Lock Rack - Ref. Next: 88002

- 16A for 208/220/230/240 VAC, 20A for 110/115/120/127 VAC
- Provides continuous power to connected equipment during UPS maintenance
- Easy operation with simple rotary switch and indicators
- Master-slave function for energy saving
- Provides a large number of sockets for extended usage
- Provides rack design to fit into a diverse working environment
- Simple installation with plug-and-play socket type
- Suitable for all UPSs up to 3KVA

System Configuration:



Maintenance Bypass Switch Selection Guide

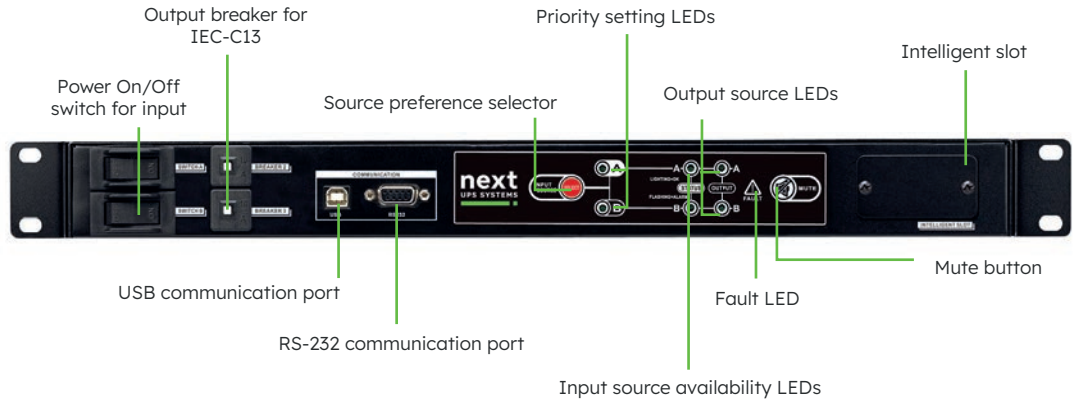
MODEL		HotSwap MBS-Rack
Current Rating		16 A max. for 208/220/230/240 VAC
Voltage Rating		208/220/230/240 VAC
CONNECTION		
Input	AC Power	1 x IEC (16 A) connector and 1 x customized plug cable
	UPS Input	1 x IEC (16 A) connector
	UPS Output	1 x IEC (16 A) connector
Output	IEC	4 x IEC Lock 10A sockets + 1 x IEC Lock 16A socket (with 2 circuit breakers)
	Schuko (NL/LU)	4 x Schuko 16A sockets
	USE (BE/FR)	4 x USE 16A sockets
	HW	HW P+N
PHYSICAL		
Dimension, D x W x H (mm)	IEC Lock	60 x 440 x 60
	NL/LU	60 x 440 x 60
	BE/FR	
Net Weight (kgs)		1.5
ENVIRONMENT		
Operating Temperature		20-90% RH @ 0- 45°C. (non-condensing)
NEXT PART NUMBERS		
HotSwap Bypass IEC Lock		88002
HotSwap Bypass BE/FR		88004
HotSwap Bypass NL/LU		88003
HotSwap Bypass HW (6/10 kVA)		88005

Product specifications are subject to change without prior notice

Automatic Transfer Switch (ATS)16A

- 16A max. input current
- Powered by two separately independent power sources
- Dual power supply for redundancy
- Provides seamless power switch for IT equipment
- Preferred source selection on front panel
- Highly reliablity 19" rack design (1U) to fit into a diverse working environment
- Built-in USB and RS-232 communications

System Configuration:



Automatic Transfer Switch Selection Guide

MODEL	ATS 16
INPUT	
Input Voltage	220/230/240 VAC
Acceptable Input Voltage	180 - 258 VAC
Input Frequency	50 Hz / 60 Hz
Maximum Input Current	16 A
OUTPUT	
Output Voltage	220/230/240 VAC
Maximum Output Current	10 A for IEC-C13 outlets 16 A for IEC-C19 outlet
CONNECTION	
Input	2 x IEC-C20 inlets
Output	8 x IEC-C13 1 x IEC-C19
Communication	USB/RS-232
Transfer time	9-12ms (Typical)
PHYSICAL	
Dimension, D x W x H (mm)	330 X 483 X 44
Net Weight (kgs)	5
Net Weight (including accessories) (kg)	8
ENVIRONMENT	
Operating Temperature	20-95% RH @ -5-45°C. (non-condensing)
NEXT PART NUMBERS	
ATS 16A	88009

Product specifications are subject to change without prior notice

NEXT Remote Monitoring & Management

SNMP/WEB Card

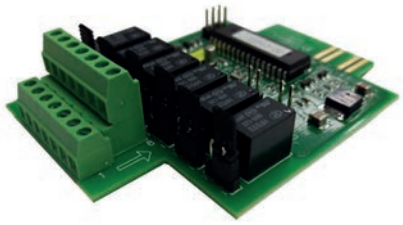
SNMP/WEB Card

- Allows control and monitoring of multiple UPSs through RJ-45 network connection
- Real-time dynamic graphs of UPS data (voltage, frequency, load level, battery level)
- Warning notifications via audible alarm, broadcast, mobile messenger, e-mail and SNMP traps
- Historic data log stored in centralized PC database
- Simple firmware upgrade with one click
- Password security protection and remote access management
- Supports optional environmental monitoring detector for temperature, humidity and smoke
- 3-year product warranty

SNMP WEB Interface II

EMP II

EMP II (environmental monitoring probe) for SNMP/WEB Interface II is a connectivity devices for remote monitoring of temperature and humidity.
It provides dry contacts to communicate with compatible devices such as security system or alarm system.



AS/400 Card II

AS/400 Card II provides clean dry contacts for remote shutdown and monitoring of a UPS. It is frequently used along with PLCs and signal control panels.
Information delivered are UPS failure, Alarm, Main Fail, Bypass, Battery Low, UPS On.
Using AS/400 II it is possible to shutdown UPS remotely. Solution requires external 12V/24VDC source for a high signal with max 1A.

NEXT UPS Systems Software

NEXT UPS Systems WINPOWER is a powerful UPS monitoring software, which provides user-friendly interface to monitor and control your UPS system. The software provides complete power protection for computer system while encountering power failure. With this software, users can monitor any UPS status on the same LAN. Furthermore, any UPS can protect any PC on the same LAN.

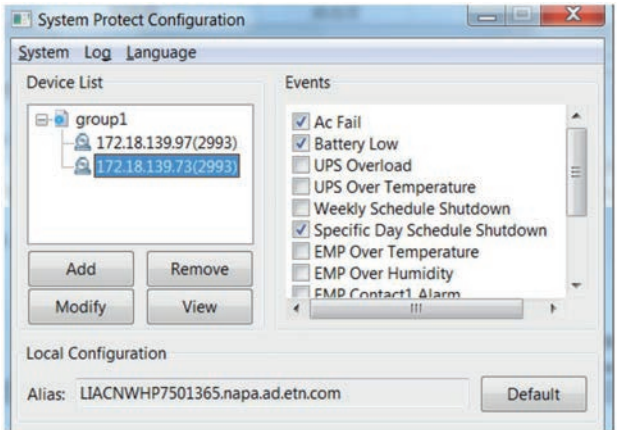
Feature summary:

- Power flow display for monitoring UPS status
- Scheduled system shutdown / restart
- Warning notification via E-mail / Pager / Broadcast
- Scheduled UPS test
- Password security protection
- Remote monitor / control via LAN
- Safety to shutdown multi-system
- Selectable User Interface (Background)
- UPS parameter setting
- Record logs for analysis
- Support VMware ESX and VMware ESXi
- Support VMware vMotion and XenServer XenMotion

Compatible with following products:

- MANTIS II TOWER
- MANTIS II RT2U NETPACK
- LOGIX II TOWER & RT2U NETPACK
- LYRA E-CONNECT TOWER & RT
- LYNX II MODULAR

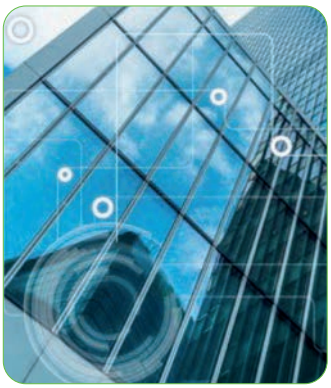
NEXT UPS Systems SPS (System Protect Software) is one utility which communicates with NMC (Network Monitoring Card).
SPS provides logs events, notify users of events and protect system to shutdown gracefully. With the SPS, it can save application's data and documents before system shutdown as well.
SPS has two major components: SPSService and SPSInterface, SPS Service runs in the background as a system service; and SPS Interface is a user interface application that allows the user to tailor the confi guration parameters.

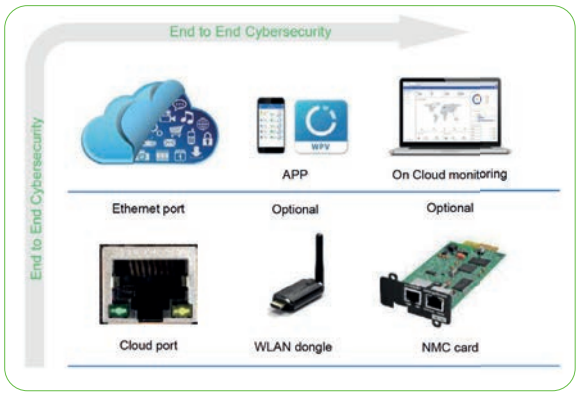


Network connected and data to cloud

- Easy to setup the Safe connection to Cloud
- Connect to Cloud through MQTT protocol (the most widely used IoT protocol)
- Real time health monitoring on the equipment to enable business continuity and failure prevention
- Remote monitoring, scheduled maintenance and UPS firmware upgrade *
- Improve the data visibility to the service people and end user
- Reduce the responsive time on product failure as Cloud push the exact information to end user and service people at the same time
- Create value added service opportunities based on digitalization transformation

* will be launched soon





NEXT UPS Systems Virtulization Solutions PPM (Power Protection Manager)

LVirtualization solutions to shutdown your virtual environment systems via SNMP communicatuion for all MANTIS II RT NETPACK, LOGIX II RT NETPACK, LYRA E-CONNECT TOWER/RT NETPACK range UPSs

PPM
Power Protection Manager

Power Protection Manager (PPM) for Microsoft Hyper-V on Windows

NEXT UPS Systems Power Protection Manager (PPM) is a virtual appliance which communicates with SNMP/WEB Interface II (Network Monitoring Card) for UPSs. PPM provides event logs, user notification and protects operation systems to shutdown gracefully. With PPM, applications can save data and documents before the operating system shuts down.

Power Protection Manager (PPM) for VMware vSphere

vmware by Broadcom

NEXT UPS Systems Power Protection Manager (PPM) is a virtual appliance which communicates with SNMP/WEB Interface II (Network Monitoring Card) for UPSs. PPM provides event logs, user notification and protects operation systems to shutdown gracefully. With PPM, applications can save data and documents before the operating system shuts down.

Power Protection Manager (PPM) for Proxmox VE

PROXMOX

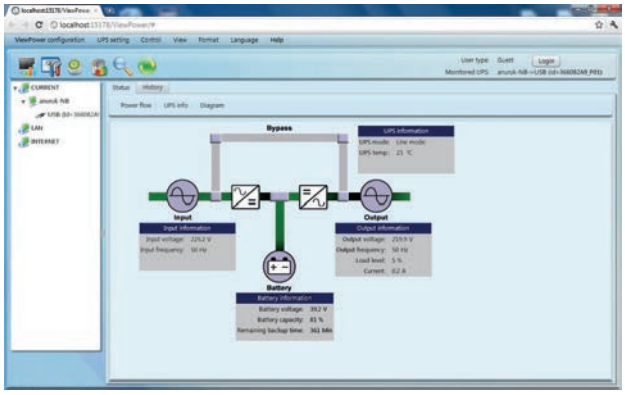
NEXT UPS Systems Power Protection Manager (PPM) is a virtual appliance which communicates with SNMP/WEB Interface II (Network Monitoring Card) for UPSs. PPM provides event logs, user notification and protects operation systems to shutdown gracefully. With PPM, applications can save data and documents before the operating system shuts down.

NEXT UPS Systems ViewPower is an advanced UPS management software.

It allows to remote monitor and manage from one to multiple UPSs in a networked environment, either LAN or Internet. It can not only prevent data loss from power outage and safely shutdown systems, but also store programming data and scheduled shutdown UPSs.

Feature summary:

- Allows control and monitoring of multiple UPSs via LAN and INTERNET
- User-friendly power analysis graph: event statistics, history data chart export
- Real-time dynamic graphs of UPS data (voltage, frequency, load level, battery level)
- Safely OS shutdown and protection from data loss during power failure
- Warning notifications via audible alarm, broadcast, mobile messenger, and e-mail
- Scheduled UPS on/off, battery test, programmable outlet control, and audible alarm control
- Password security protection and remote access management



Compatible with following products:

MINT+, MANTIS RT, LOGIX RT, LYNX+

NOTE: This display screen may be different for different types of UPS.

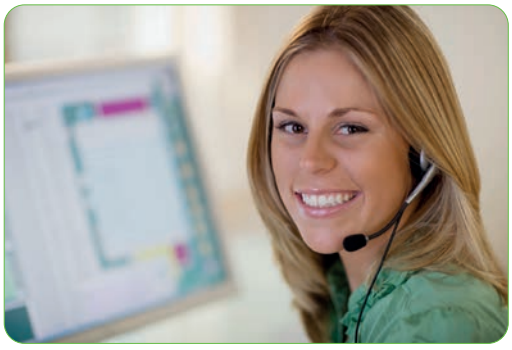
NEXT UPS Products Warranty

NEXT UPS Systems single Phase products come with a standard 3 year onsite warranty.*
Optional Warranty extensions up to 5 years are available for every single phase model.

NEXT UPS Systems Three Phase products come with a standard 2 year onsite warranty.
Optional Warranty extensions are available for every model, a tailored made maintenance contract is avalable on simple request.

All **NEXT UPS Systems** single phase products grants you peace of mind for 3 years thanks to:

- UPS standard pick-up & return service on site
- Professional help-line
- Fast and efficient service wherever you are located



The standard warranty on single phase products is 36 months.
During this 3 years period your single pahse UPS is covered by a standard pick-up & return service in the best timing conditions (depending on location, this can be between 48 & 72 hours).
Logistic costs for shipping back your old UPS and delivering the new one will be covered by **NEXT UPS Systems**.
You will take advantage of a professional help-line who will grant you support thanks to the intervention of **NEXT UPS Systems** professionals.

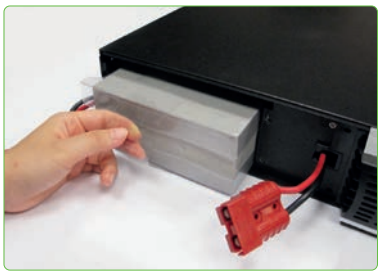
NEXT UPS Systems SERVICE OFFERING

With the ready-to-use Service Pack (NEXT 5+), you receive solutions that are customized and adapted to your needs. Every Service Pack provides you with the best service levels adapted to your needs.

NEXT Warranty extension pack (available for single phase products only)		
DESCRIPTION	**NEXT STD Warranty**	**NEXT 5+ Warranty**
STANDARD Warranty 3 years (from purchase date)	✓	
Warranty extended from 3 to 5 years		✓

Please check our NEXT 5+ Warranty selection guide on our website: www.nextups.eu/warranty
* Pick-up & return service

NEXT Battery Replacement



NEXT UPS Systems offers replacement batteries for all uninterruptible power supplies, as well as battery replacement services for NEXT products or other UPS brands.

Ensuring that your IT equipment or application runs 24x7 is important, and making sure that your uninterruptible power supply (UPS) system operates at optimal efficiency is key to keeping your IT equipment or application running. The UPS battery is the most vulnerable part of any UPS, regardless of capacity, topology, or brand. The battery is ultimately at the heart of the UPS in terms of reliability.

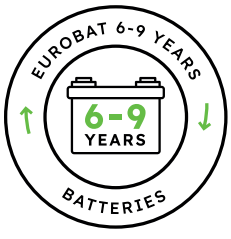
Our NEXT UPS battery replacement philosophy is designed to make battery replacement easy, fast, and cost-effective. If you would like more information about NEXT battery replacement, UPS battery installation, or any other UPS battery services, please contact us at **sales@nextups.eu** or visit our website: **www.nextups.eu/battery**.

Try to maintain your batteries in a stable temperature environment (@ 18°C.); it will optimize your battery lifetime on any UPS.

Please check our battery selector on our website for the right battery!

NEXT Battery Replacement	
DESCRIPTION	**NEXT Battery**
Standard replacement of old battery	✓
Direct on-site delivery of new battery kit	✓
1-year warranty on new battery	✓

Logistic costs for shipping back your NEXT Battery and delivering the new one will be covered by **NEXT UPS Systems**!



For more information on Eurobat® and our own battery & sustainability policy, see pages 4-5.

cat rev 06/2024

next
UPS SYSTEMS

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