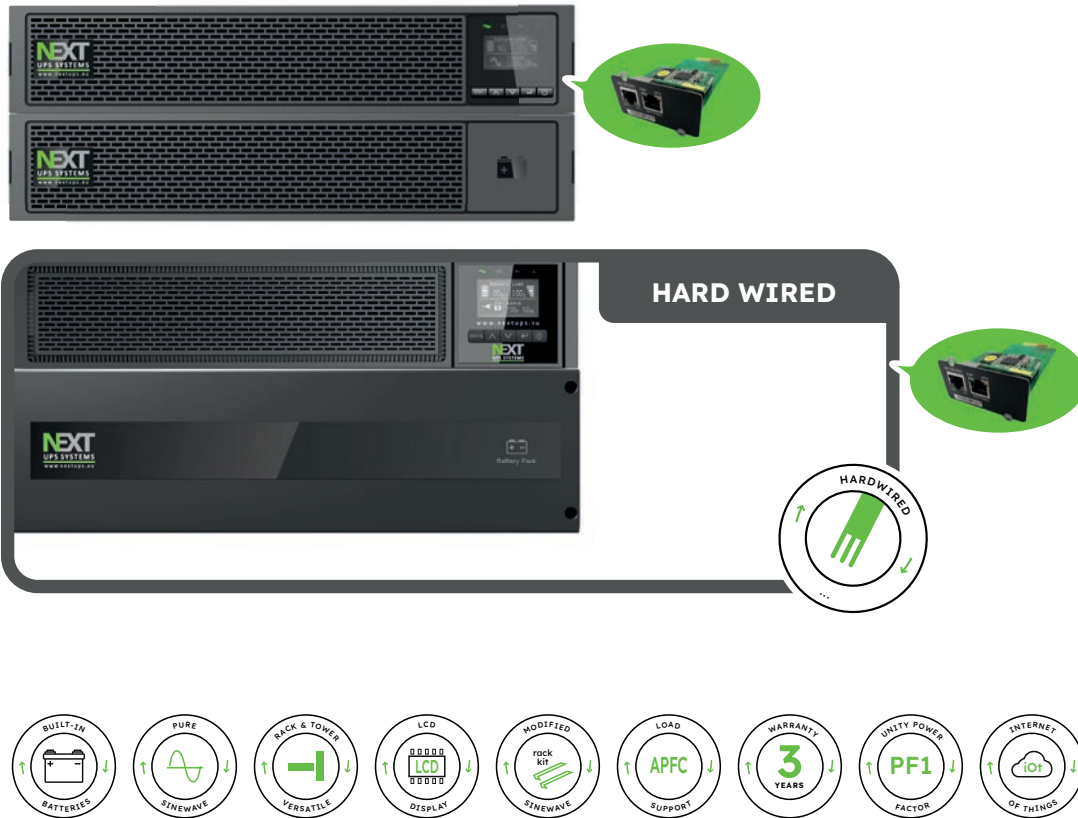


LYRA E-Connect RT NETPACK



- 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

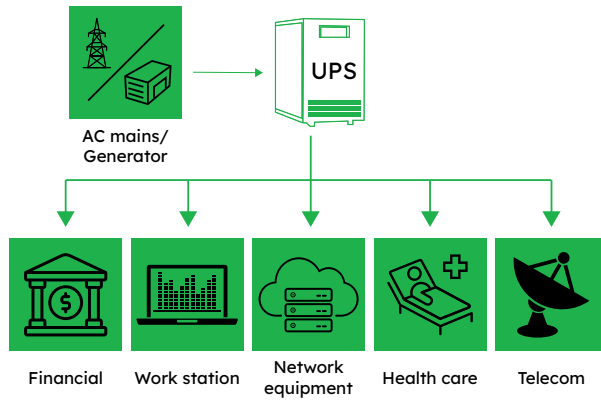
- True double-conversion design with high adaptability to harsh mains conditions
- Real PF 1 can provide more power in same space
- High efficiency results in energy saving
- Adjustable charging current and flexible battery configuration
- Optimized charging method to expand battery life time
- Built-in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

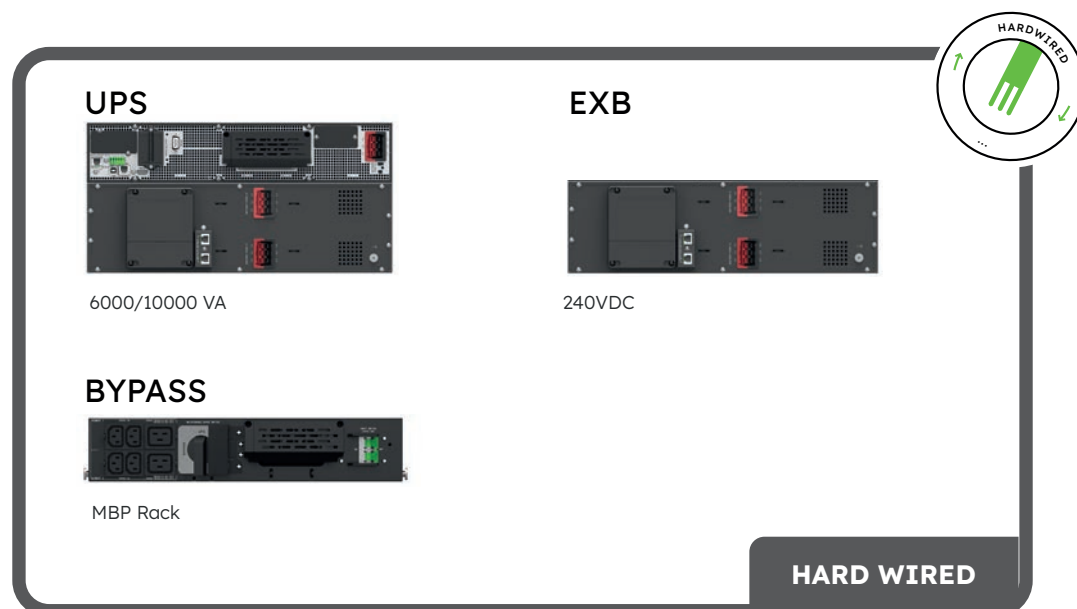
EXB



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

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		
66		
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