

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

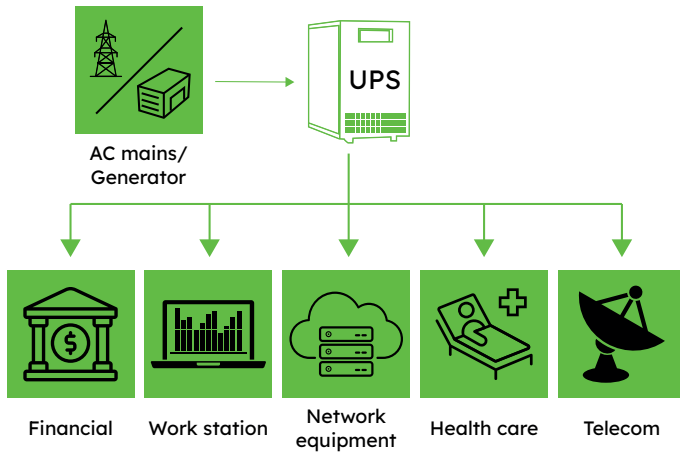
- True double-conversion design with high adaptability to harsh mains conditions
- Real PF 1 can provide more power in same space
- High efficiency results in energy saving
- Adjustable charging current and flexible battery configuration
- Optimized charging method to expand battery life time

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.

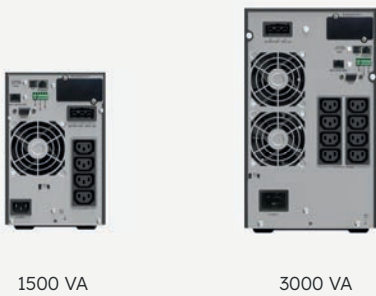
These latest range of UPS comes with future-proof connectivity design having the capability to connect to cloud seamlessly to allow the monitoring of the UPS online through any internet connected device. To ensure users information is safe and protected, these connectivity is compliant with IEC standard cybersecurity.

Typical application



Product rear panel

UPS



EXB



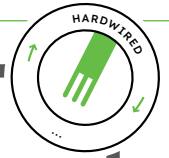
Online

UPS EXB

6000 VA 10000 VA EXB

HARD WIRED

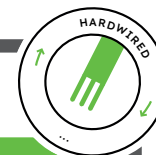
LYRA E-Connect Tower NETPACK Selection Guide



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

Online