

LYRA E-CONNECT TOWER ONLINE SELECTION GUIDE

MODEL	Lyra E-Connect 1500 Tower	Lyra E-Connect 3000 Tower	Lyra E-Connect 6000 Tower	Lyra E-Connect 10000 Tower
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			
Frequency Range	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			
Maximum PF	1			
Voltage accuracy	± 1%			
THDv	<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	"2.4min 100% load 8.7min 50% load"	"2.5min 100% load 9.3min 50% load"	"3.6min 100% load 9.6min 50% load"	"2.1min 100% load 8min 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	3h to 90%			
OTHER WORKING MODE				
CVCF	Yes (derating to 60% load)			
Parallell	No		Yes (up to 3)	

Product specifications are subject to change without further notice

MODEL	Lyra E-Connect 1500 Tower	Lyra E-Connect 3000 Tower	Lyra E-Connect 6000 Tower	Lyra E-Connect 10000 Tower
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			
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			
Dry contactor 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*D*H) in mm	145*397*220	195*421*318	220*492*589	220*492*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%			
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	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
CERTIFICATION				
CE, IEC/EN 62040				
EMI (Conduction/Radiation)				
	C2	C2	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	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	77179	77180	77185	77186
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
SNMP/Web Interface	99007	99007	99007	99007