



Your Reliable Energy Solution Partner





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BR-EM-24-C

"There are over 300,000+

Luxpower systems installed worldwide in various scenarios, including hybrid,off-grid,AC coupling,and DC coupling. We are dedicated to assisting our users in utilizing the energy from the sun and improving their quality of life."























• GEN-LB-EU **7-10K** PO8















• LSP 100K P32





• SNA US **6000** P24





04 // Three Phase









APP/WEB P34





Intelligent working modes

- Weather Compensation and Smart Octopus charging packages
- Self consumption mode for high tariff areas
- Charge priority mode for areas where grid power is unstable
- Force charge & discharge mode for variable tariff integration

Smart EPS (Emergency Power Supply)

- Plug & Play integrated changeover, seamless switching under 20ms
- Auto backup power for critical load emergency supply

Intelligent Battery Integration

- Remote upgrade for battery management system (BMS) firmware
- Wide range of compatible battery brands
- Auto 'wake-up' function of lithium battery from sleep mode
- Essential info uploaded to Lux server for quick ESS diagnosis
- Battery sharing with multi-inverters in single phase or three phase

Advanced Parallel Units (Parallel Versions)

- Up to 10 units parallel
- Single phase and unbalanced three phase paralleling

Key Features

- High PV input values
- High charge/discharge rates
- Light, fast & easy installation
- Free Wi-fi monitoring on mobile&PC
- Multi-phase output on different hybrid models
- Generator interface available

LU**N**POWERTEK

Single Phase

GEN-LB-EU **3-6K**

- Single phase power allocation in three-phase parallel operation
- Supports up to 6pcs in parallel for on/off-grid
- Time of Use
- 24/7 real-time monitoring via free LUX app and web
- On/off-grid seamless switching under 20ms
- Max 120A battery charging/discharging current
- IP65 for indoor/outdoor installation
- Separated generator connection interface
- Intelligent generator control







SpecifiCation		Energy Solutio Partner
INPUT (PV DC)	GEN-LB-EU 5K GEN-LB-EU 6K	
Max. PV array power(W)	8000	
Rated PV input voltage(V)	360V	
Number of independent MPPT inputs	2	
PV input voltage range(V)	100~550	
MPPT voltage range(V)	120~500	
Start-up voltage(V)	140	
Max. PV input current per MPPT(A)	17	
Max. PV short-circuit current input per MPPT(A)	25	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	40 [~] 60	
Max. charge/discharge current(A)	100A 120A	
Max. charge/discharge power(W)	5000 6000	
Force wake up battery from PV fuction(Y/N)	YES	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	21.7A 26A	
Rated AC output power(W)	5000 6000	
Max. AC intput current(A)	34.7	
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)	
THDI	<3%	
Rated AC current of BYPASS relays(A)	60	
UPS		
Rated output power(W)	5000 6000	
Rated output voltage(V)	230	
Rated output current(A)	21.7A 26A	
Rated output frequency(Hz)	50/60	
Surge power, duration	2Pn, 0.5s	
Switching time(UPS)	20ms	
Wave form	sine wave	
THDV	<5%	
Efficiency		
MPPT efficiency	99.9%	
Max. efficiency	97.3%	
Max. charge efficiency	94.5%	
Max. discharge efficiency	94.5%	
Protection		
Over current / voltage protection(Y/N)	YES	
Anti-islanding protection(Y/N)	YES	
AC Short-circuit current protection(Y/N)	YES	
Leakage current protection(Y/N)	YES	
Ground fault monitoring(Y/N)	YES	
Grid monitoring(Y/N)	YES	
DC Switch(Y/N)	YES	
DC Surge protection Type III	YES	
AC Surge protection Type III	YES	
General		
Dimensions(W*H*D)	455*467*181mm/17.9*18.4*7.1inch	
Weight(kg)	29kg/64lbs	
Ingress protection rating	IP65	
Operating environment temperature range(°C)	-25~60	
Storage temperature range(°C)	-40~65	
Relative humidity	0~95%	
Display & Communication interface	LCD, RS485/Wi-Fi/CAN	
Warranty	5 years	
Cooling method	Smart cooling	
Topology on AC side	Transformer-less	
Topology on Battery side	Transformer	
Altitude(m)	2000	
Noise emission(typical)	<25	
DC connection(VP-D4/MC4(Optional)	MC4	
AC connector	YES	

LUX POWERTER

Single Phase

GEN-LB-EU **7-10K**

- Dual battery terminals
- Supports up to 10pcs in parallel for on/off grid
- AC coupling function
- Smart load prioritize necessities
- Auto Generator control
- Octopus smart time of use
- Weather optimize





SpecifiCation

Specification			
INPUT (PV DC)	GEN-LB-EU 7K	GEN-LB-EU 8K	GEN 10K
Max. PV array power(W)	12000	12000	15000
Rated PV input voltage(V)		360	
Number of independent MPPT inputs		2	
PV input voltage range(V)		100~600	
MPPT voltage range(V)		120~500	
Start-up voltage(V)		140	
Max. PV input current per MPPT(A)		25	
Max. PV short-circuit current input per MPPT(A)		34	
Battery			
Compatible battery type		Lithium-ion/Lead-Acid	
Rated battery voltage(V)		48	
Battery voltage range(V)		40~60	
Max. charge/discharge current(A)	146	167	210
Max. charge/discharge power(W)	7000	8000	10000
Force wake up battery from PV fuction(Y/N)		Υ	
Grid			
Rated AC voltage(V)		230	
Rated AC frequency(Hz)		50/60	
Rated AC output current(A)	30.4	34.7	43.5
Rated AC output power(W)	7000	8000	10000
Max. AC intput current(A)		63	
PF	0.99((Adjustable from 0.8 leading to0.8 la	agging)
THDI		<3%	
Rated AC current of BYPASS relays(A)		90	
UPS (v.)			
Rated output power(W)	7000	8000	10000
Rated output voltage(V)	20 /	230	
Rated output current(A)	30.4	34.7	43.5
Rated output frequency(Hz)	30.4	34.7	43.5
Surge power, duration		2Pn, 0.5s	
Switching time		<20ms	
Wave form THDV		Sine wave	
Efficiency		<3%	
MPPT efficiency		99.9%	
Max. efficiency@PV to grid		97.5%	
Max. efficiency@battery to grid		94%	
Max. charge/discharge efficiency		94%	
Protection		3470	
PV reverse polarity protection(Y/N)		Υ	
Over current/voltage protection(Y/N)		Y	
Anti-islanding protection(Y/N)		Y	
AC Short-circuit current protection(Y/N)		Y	
Leakage current protection(Y/N)		Y	
Ground fault monitoring(Y/N)		Y	
Grid monitoring(Y/N)		Y	
DC Switch(Y/N)		Υ	
AC/DC Surge protection Type III		Υ	
General			
Dimensions(W*H*D)		536*556*290mm/21.1*21.9*11.4incl	า
Weight		42.64kg/94lbs	
Ingress protection rating	IP65/NEMA 4X		
Relative humidity	0~100%		
Operating environment temperature range(°C)		-25~60	
Storage temperature range(°C)		-25~60	
Display & Communication interface		Touch color screen, RS485/Wifi/CA	N
Warranty		5 years	
Cooling method		Smart cooling	
Topology		Transformer-less	
Altitude		<2000m	
Noise emission(typical)	<50dB		



LUX POWERTEK

Single Phase

LXP-LB-EU 12K

- 3 MPPTs, Max. 18kW of PV input
- 12kW UPS output for backup during power cuts
- Supports up to 10pcs in parallel for on/off-grid
- Octopus smart time of use, weather optimize
- On/off-grid seamless switching under 20ms
- Separate generator port
 - -Smart load prioritize necessities
 - -Up to 20.7kW generator/AC coupling input





SpecifiCation

Specification	
INPUT (PV DC)	LXP-LB-EU 12K
Max. PV array power(W)	18000
Rated PV input voltage(V)	360
Number of independent MPPT inputs	3
PV input voltage range(V)	100~600
MPPT voltage range(V)	120 [~] 500
Start-up voltage(V)	140
Max. PV input current per MPPT(A)	25/15/15
Max. PV short-circuit current input per MPPT(A)	31/19/19
Battery	51 /51 /15
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(V)	48
Battery voltage (V)	40~60
Max. charge/discharge current(A)	
	250
Max. charge/discharge power(W)	12000
Force wake up battery from PV function(Y/N)	YES
Grid	
Rated AC voltage(V)	230
Rated AC frequency(Hz)	50/60
Rated AC output current(A)	50
Rated AC output power(W)	11500
Max. AC intput current(A)	200
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)
THDI	<3%
Rated AC current of BYPASS relays(A)	200
UPS	
Rated output power(W)	11500
Rated output voltage(V)	230
Rated output current(A)	50
Rated output frequency(Hz)	50/60
Surge power, duration	2Pn, 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	3%
Efficiency	
MPPT efficiency	99.9%
Max. efficiency	99.0%
Max. charge efficiency	96.0%
Max. discharge efficiency	94.0%
Protection	54.0 /u
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
DC Switch	YES
AC/DC Surge protection Type III	YES
General	
Dimensions(W*H*D)	490 * 670 * 265mm/19.3 * 26.3 * 10.4 inch
Weight	50kg/110.2lbs
Ingress protection rating	IP65
Relative humidity	0~100%
Operating environment temperature range(°C)	-25~60
Storage temperature range(°C)	-25~60
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	Smart Cooling
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	
- Starradi de de certimeditori	

EMC SANS 211:2010/CISPR 2015+A1:2016, IEC 61000-2-2-2012+A1:2017+A2:2018, Cape Town list, G99, G100, NRS 097-2-1:2017

Energy Solution Partner

Split Phase

LXP-LB-US **8-10K**

- Peak shaving function
- Breakers (AC, Gen, Load and Battery) are integrated
- Supports up to 10pcs in parallel for on/off grid
- Separate generator port
 - -Smart load prioritize necessities
 - -Up to 12kW generator/AC coupling input
- On/off grid seamless switching under 20ms
- Colorful touch LCD, IP65 for indoor/outdoor installation





SpecifiCation

Your Reliable Energy Solution Partner

Specification		Partner	
INPUT (PV DC)	LXP-LB-US 8K	LXP-LB-US 10K	
Max. PV array power(W)	12000	16000	
Rated PV input voltage(V)	36	50	
Number of independent MPPT inputs	2/	72	
PV input voltage range(V)	100~(
MPPT voltage range(V)	120~!		
Start-up voltage(V)	14		
Max. PV input current per MPPT(A)			
	25/		
Max. PV short-circuit current input per MPPT(A) Battery	31/	/31	
	1912		
Compatible battery type		n/Lead-Acid	
Rated battery voltage(V)	4		
Battery voltage range(V)	40^		
Max. charge/discharge current(A)	167	210	
Max. charge/discharge power(W)	8000	10000	
Force wake up battery from PV function	YE	ES	
Grid			
Rated AC voltage(V)	240,	/208	
Rated AC frequency(Hz)	6	0	
Rated AC output current	33.3A@240V/38.5A@208V	41.6A@240V/48A@208V	
Rated AC output power(W)	8000	10000	
Max. AC intput current(A)	63	63	
PF	0.99 (Adjustable from 0.		
THDI			
UPS	39	%o	
	2000	10000	
Rated output power(W)	8000	10000	
Rated output voltage(V)	120/240;		
Rated output current	33.3A@240V/38.5A@208V	41.6A@240V/48A@208V	
Rated output frequency(Hz)	60		
Surge power, duration	2Pn,	0.5s	
Switching time	20r	ทร	
Wave form	Sine	wave	
THDV	<3		
Efficiency			
Max. MPPT efficiency	99	9%	
Max. efficiency	97.		
Battery charge/discharge efficiency		0%	
CEC efficiency	96.		
Protection		4 /0	
PV reverse polarity protection	YE		
Over current/voltage protection	YE		
Anti-islanding protection	YE		
AC short-circuit protection	YE		
Leakage current protecion	YE		
DC switch	YE	5	
AC/DC surge protection Type III	YE	S	
Rapid shut down	YE	5	
Grid/AFCI/RSD monitoring	YE		
Grid/GEN breaker(Current/Voltage)	63A/48		
Load breaker(Current/Voltage)			
Battery breaker(Current/Voltage)	63A/480V 250A/80V		
General	25UA/i	OU V	
	F20*7F0*20F	20 5:20 5:11 2:	
Dimensions(W*H*D)	520*750*285mm/		
Weight		/110lbs	
Ingress protection rating		IAME 4X	
Relative humidity	0~10	00%	
Operating environment temperature range	-25~60°C, >	45°C Derating	
Storage temperature range(°C)	-25	~60°C	
Display & Communication interface	Touch color screen		
Warranty		0 years	
Cooling method		•	
Topology	Smart Cooling Transformer-less		
Altitude	<200		

E5000, SA17-18, SA:2018, CSA STD. C22.2 No.107.1 and 330, UL STD.1741, 1741SB, UL1998:2018, IEEE STD.1547 and 1547.1, IEEE STD. HECO SRD-IEEE-1547.1, ETL, CETLus, America CEC List, NEC. section690.12

LUX POWERTEK

Split Phase

LXP-LB-US 12K

- 3 MPPT inputs, Max. up to 18 kW
- 200A AC bypass current for whole home backup
- Peak shaving function
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching under 10ms
- Separate generator port
 - -Smart load prioritize necessities
 - -Up to 21.6kW generator/AC coupling input





SpecifiCation

Marc P J vary power(W) 18000 180	T	
Rated PA imput voltage(V) 38D	INPUT (PV DC)	LXP-LB-US 12K
Rated PA imput voltage(V) 38D		18000
Number of independent MPPT inputs 3 PV Input votage range(V) 100 : 600 MPPT votage range(V) 120 : 500 MPPT votage range(V) 120 : 500 MPPT votage range(V) 100 : 600 MRX. PV short-critic furcent input per MPPT(A) 31/19/19 MRX. PV short-critic furcent input per MPPT(A) 31/19/19 MRX. PV short-critic furcent input per MPPT(A) 31/19/19 MRX. PV short-critic furcent input per MPPT(A) 40 : 60 MRX. charge/discharge current(A) 40 : 60 MRX. charge/discharge current(A) 250 MRX. charge/discharge current(A) 250 MRX. charge/discharge power(W) 2500 MRX. charge/discharge power(W) 2500 MRX. charge/discharge power(W) 2000 MRX. charge/discharge power duration 200		360
PV input voltage range(V)	1 0 1 7	
MPPT votage range(v) 120 500 Max. PV input current per MPPT(A) 25/15/15 Max. PV shart-circuit current input per MPPT(A) 25/15/15 Max. PV shart-circuit current input per MPPT(A) 31/13/19 Max. PV shart-circuit current input per MPPT(A) 40 60 Max. charge/discharge current(A) 250 Max. charge/discharge power(W) 12000 Force wake up battery from PV function VES Grid		
Start-up voltage(V)		
Max. PV Injust current per MPPT(A) 31/9/19		
Max. PV short-circuit current input per MPT(A) 31/9/9		
Compatible battery type		
Compatible battery type	1 1 , ,	31/19/19
Rated Astrey voltage(V)	,	
Battery voltage range (V)		
Max charge/discharge current(A) ### Acc Arage/discharge power(W) ### 12000 ### Force wake up battery from PV function ### Stard AC voltage(V) ### Rated AC voltage(V) ### Rated AC voltage(V) ### Rated AC output power(W) ### 12000 ###		
Max charge/discharge power(W) 12000 Grade VES Grade Workspe(V) 240/208 Rated AC voltage(V) 60 Rated AC output current(A) 50 Rated AC output power(W) 12000 Max. Ac Iniquit current(A) 200 PF 0.99 (Adjustable from Be leading to 0.8 lagging) THOI -3% Rated AC current of BYPASS relays(A) 200 UBS 12000 Rated AC current of BYPASS relays(A) 200 UBS 120010 Rated output power(W) 120000 Rated output power(W) 120000 Rated output power(W) 120000 Rated output voltage(V) 1200746, 120,208 Rated output vicerent(A) 50 Sated autput voltage(V) 120,746, 120,208 Rated output vicerent(Pitch) 60 Surge power, duration 20 Switching time 20ms Wave form 30% THOV 4.3% Efficiency 99.9% Max. efficiency		40~60
Force wake up battery from PV function YES	Max. charge/discharge current(A)	250
Rated AC voltage(V)	Max. charge/discharge power(W)	12000
Rated AL voltage(V)	Force wake up battery from PV function	YES
Rated AC output current(A)	Grid	
Rated AC output current(A)	Rated AC voltage(V)	240/208
Rated AC output current(A) S0 Rated AC output power(W) 12000		60
Rated AC output power (W)		
Max AC Intiput current(A) 200 PF 0.99 (Adjustable from D.B. leading to 0.8 lagging) THDI -3% Rated Ac Current of BYPASS relays(A) 200 UBS Rated output power(W) 12000 Rated output voltage(Y) 12002/240; 120/208 Rated output frequency(Hz) 60 Surge power, duration 2Pn, 0.5s Switching time 20ms Wave form Sine wave THOV +3% **Efficiency 99.9% Max. MPPT efficiency 99.9% Max. MPPT efficiency 99.9% Max. efficiency 99.9% Battery charge/discharge efficiency 94.0% CEC efficiency 95.9% Portection YE5 Cet efficiency 96.9% Portection YE5 Activation disperituing protection YE5 Over current/voltage protection YE5 ACTION disperituing protection YE5 Coswitch YE5 Coswitch YE5 <t< td=""><td></td><td></td></t<>		
PF		
THD \$3% 200		
Rated AC current of BYPASS relays(A) 200		
Rated output power(W) 12000 Rated output voltage(V) 120/240: 120/208 Rated output current(A) 50 Rated output current(A) 50 60 60 60 60 60 60 60		
Rated output power(W) 12000 Rated output voltage(V) 120/240, 120/208 Rated output voltage(V) 50 Rated output requency(Hz) 60 Surge power, duration 2Pn, 0.5s Switching time 20ms Wave form 5ine wave THDV 37% Silve wave 77.5% Silve wave 77.5% Sate 77.		200
Rated output voltage(V) 120/240: 120/208 Rated output current(A) 50 60 Rated output frequency(Hz) 60 60 50 50 50 50 50 50		12000
Rated output current(A) 50 Rated output frequency(Hz) 60 Surge power, duration 2Pn, 0.5s Switching time 20ms Wave form Sine wave THDV <3%		
Rated output frequency(Hz) Surge power, duration 2Ph, 0.5s Switching time 2Dms Wave form Sine wave THDV THDV THDV THDV THOV TH		
Surge power, duration 2Pn, 0.5s Switching time 20ms Wave form Sine wave THDV <3%		
Switching time 20ms Wave form 5ine wave THDV <3%		
Wave form Sine wave THDV < 3% Efficiency 99.9% Max. MPPT efficiency 99.9% Max. efficiency 99.9% Max. efficiency 94.0% Ettery charge/discharge efficiency 96.9% Protection VES Anti-slanding protection YES Over current/voltage protection YES AC Short-circuit protection YES Leakage current protection YES Leakage current protection YES Leakage current protection Type III YES Rapid shut down YES Grid/AFCI/RSD monitoring YES Grid/AFCI/RSD monitoring YES Load breaker(Current) 200A Battery breaker(Current) 200A Battery breaker(Current/Voltage) 2°200A/80V General Protection Dimensions(W+H+D) 520°870°285mm/20.5°34.2°11.2inch Weight 55kg/121.2ibs Ingress protection rating IPG5 NAME 4X Relative humi		
THDV <3% Efficiency 99.9% Max. MPDT efficiency 99.9% Max. efficiency 97.5% Battery charge/discharge efficiency 96.9% Protection PV reverse polarity protection VES Over current/voltage protection YES Over current/voltage protection YES AL Short-circuit protection YES AL Short-circuit protection YES AC Short-circuit protection YES C Switch YES C Switch YES C Switch YES AC/DC surge protection Type III YES Rajid shut down YES C Sidd Short Current of YES Load breaker (Current) 200A Battery breaker (Current) 200A Battery breaker (Current) Voltage) 520°870°285mm/20.5°34.2°11.2inch Dimensions(W*H*D) 520°870°285mm/20.5°34.2°11.2inch Weight		
### Septiciency ### Septicien		
Max. MPPT efficiency 99.9% Max. efficiency 97.5% Battery charge/discharge efficiency 94.0% CEC efficiency 96.9% Protection YES Over current/voltage protection YES Over current/protection YES Anti-islanding protection YES AC Short-circuit protection YES AC Short-circuit protection YES Leakage current protection YES DC switch YES AC/DC surge protection Type III YES Grid/AFC/IRSD monitoring YES Grid/AFC/IRSD monitoring YES Load breaker(Current) 200A Battery breaker(Current/Voltage) 2*200A/80V General Dimensions(W*H*D) Weight 55kg/12.12bs Ingress protection rating IP65/NAME 4X Relative humidity 0*100% Operating environment temperature range(*C) -25*60*C, >45*C Derating Storage temperature range(*C) -25*60*C, >45*C Derating Storage temperature range(*C) -25*60*C		<3%
Max. efficiency 97.5% Battery charge/discharge efficiency 96.9% Protection PV reverse polarity protection YES Over current/voltage protection YES AC Short-circuit protection YES CS Over surent protection YES CS Over current YES CS Over cur		
Battery charge/discharge efficiency 94.0% CEC efficiency 96.9% Protection YES Over current/voltage protection YES Anti-islanding protection YES Act Short-circuit protection YES Leakage current protection YES Leakage current protection YES AC/DC surge protection Type III YES AC/DC surge protection Type III YES Acid/AFCI/RSD monitoring YES Load breaker(Current) 200A Battery breaker(Current) 200A Battery breaker(Current) 2*200A/80V General Dimensions(W*H*D) 520*870*285mm/20.5*34.2*11.2inch Weight 55kg/121.2lbs Ingress protection rating IP65 NAME 4X Relative humidity 0*100% Operating environment temperature range(°C) -25*60°C, >45°C Derating Storage temperature range(°C) -25*60° Display & Communication interface Touch color screen, R5485/Wi-Fi/CAN Warranty 5/10 years Cooling method Smart Cooling		
EEC efficiency 96.9% Protection YES Over current/voltage protection YES Anti-islanding protection YES AC Short-circuit protection YES Leakage current protection YES DC switch YES AC/DC surge protection Type III YES Rapid shut down YES Grid/AFCI/RSD monitoring YES Load breaker(Current) 200A Battery breaker(Current/Voltage) 2*200A/80V General 55kg/121.2lbs Dimensions(W*H*D) 520*870*285mm/20.5*34.2*11.2inch Weight 55kg/121.2lbs Ingress protection rating IP65/ NAME 4X Relative humidity 0"100% Operating environment temperature range(°C) -25*60°C, >45°C Derating Storage temperature range(°C) -25*60°C, >45°C Derating Storage temperature range(°C) -25*60°C, >45°C Derating Display & Communication interface Touch color screen, R5485/Wi-Fi/CAN Warranty 5/10 years Cooling method 5mart Cooling Topology Transformer-less Altitude <	,	
Protection PV reverse polarity protection VES Over current/voltage protection VES Anti-islanding protection YES AC Short-circuit protection YES Leakage current protection VES Leakage current protection VES Course protection Type III VES AC/DC surge protection Type III VES Grid/AFCI/RSD monitoring VES Grid/AFCI/RSD monitoring VES Load breaker(Current) Sound Battery breaker(Current) Sound Battery breaker(Current/Voltage) Dimensions(W*H*D) Sound Sou		
PV reverse polarity protection Over current/voltage protection YES Anti-islanding protection YES Ac Short-circuit protection YES Leakage current protection YES DC switch YES DC switch YES AC/DC surge protection Type III YES Rapid shut down Sres Grid/AFCI/RSD monitoring YES Load breaker(Current) Sate of the surge protection Type III Sa		96.9%
Over current/voltage protection Anti-islanding protection AC Short-circuit protection YES AC Short-circuit protection YES CE Leakage current protection YES CE		
Anti-islanding protection AC Short-circuit protection Leakage current protecion YES DC switch AC/DC surge protection Type III Rapid shut down YES Rapid shut down YES Grid/AFCI/RSD monitoring Load breaker(Current) Battery breaker(Current) Dimensions(W*H*D) Tesness protection rating Relative humidity Operating environment temperature range("C) Storage temperature range("C) Display & Communication interface ACIDC switch YES VES ACIDC switch YES YES ACIDC switch	. ,,	
AC Short-circuit protection Leakage current protecion DC switch AC/DC surge protection Type III Rapid shut down Grid/AFCI/RSD monitoring Load breaker(Current) Battery breaker(Current) Dimensions(W*H*D) Dimensions(W*H*D) Sepretation arting Ingress protection rating Relative humidity Operating environment temperature range(°C) Display & Communication interface Warranty Cooling method Topology AC Short-Circuit protection YES YES AC/DC surge protection Type III YES SES YES SOOA SES YES SOOA SES YES SOOA SES SES SES SES SES SES		
Leakage current protecion DC switch YES AC/DC surge protection Type III Rapid shut down YES Grid/AFCI/RSD monitoring Load breaker(Current) Load breaker(Current/Voltage) General Dimensions(W*H*D) Dimensions(W*H*D) S200A/B0V General Dimensions(W*H*D) S200B/BOP S200B/BOP Relative humidity Operating environment temperature range(°C) Storage temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude YES YES YES YES S20 YES YES YES YES YES YES YES YE		YES
DC switch AC/DC surge protection Type III Rapid shut down YES Grid/AFCI/RSD monitoring Load breaker(Current) Battery breaker(Current/Voltage) Dimensions(W*H*D) Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude YES YES YES YES YES YES YES YE	AC Short-circuit protection	YES
AC/DC surge protection Type III Rapid shut down YES Grid/AFCI/RSD monitoring YES Load breaker(Current) Battery breaker(Current/Voltage) General Dimensions(W*H*D) S20*870*285mm/20.5*34.2*11.2inch Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude	Leakage current protecion	YES
Rapid shut down Grid/AFCI/RSD monitoring Load breaker(Current) Battery breaker(Current/Voltage) General Dimensions(W*H*D) S20*870*285mm/20.5*34.2*11.2inch Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude	DC switch	YES
Rapid shut down Grid/AFCI/RSD monitoring Load breaker(Current) Battery breaker(Current/Voltage) General Dimensions(W*H*D) S20*870*285mm/20.5*34.2*11.2inch Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude	AC/DC surge protection Type III	YES
Grid/AFCI/RSD monitoringYESLoad breaker(Current)200ABattery breaker(Current/Voltage)2*200A/80VGeneralDimensions(W*H*D)520*870*285mm/20.5*34.2*11.2inchWeight55kg/121.2lbsIngress protection ratingIP65/ NAME 4XRelative humidity0~100%Operating environment temperature range(°C)-25~60°C, >45°C DeratingStorage temperature range(°C)-25~60Display & Communication interfaceTouch color screen, R5485/Wi-Fi/CANWarranty5/10 yearsCooling methodSmart CoolingTopologyTransformer-lessAltitude<2000m	- : ::	YES
Load breaker(Current) Battery breaker(Current/Voltage) General Dimensions(W*H*D) Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Storage temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude		YES
Battery breaker(Current/Voltage) General Dimensions(W*H*D) S20*870*285mm/20.5*34.2*11.2inch Weight Ingress protection rating Relative humidity Operating environment temperature range(°C) Storage temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude		200A
GeneralDimensions(W*H*D)520*870*285mm/20.5*34.2*11.2inchWeight55kg/121.2lbsIngress protection ratingIP65/ NAME 4XRelative humidity0~100%Operating environment temperature range(°C)-25~60°C, >45°C DeratingStorage temperature range(°C)-25~60Display & Communication interfaceTouch color screen, RS485/Wi-Fi/CANWarranty5/10 yearsCooling methodSmart CoolingTopologyTransformer-lessAltitude<2000m		
Dimensions(W*H*D)520*870*285mm/20.5*34.2*11.2inchWeight55kg/121.2lbsIngress protection ratingIP65/ NAME 4XRelative humidity0~100%Operating environment temperature range(°C)-25~60°C, >45°C DeratingStorage temperature range(°C)-25~60Display & Communication interfaceTouch color screen, RS485/Wi-Fi/CANWarranty5/10 yearsCooling methodSmart CoolingTopologyTransformer-lessAltitude<2000m		2 2337,1331
Weight55kg/121.2lbsIngress protection ratingIP65/ NAME 4XRelative humidity0~100%Operating environment temperature range(°C)-25~60°C, >45°C DeratingStorage temperature range(°C)-25~60Display & Communication interfaceTouch color screen, RS485/Wi-Fi/CANWarranty5/10 yearsCooling methodSmart CoolingTopologyTransformer-lessAltitude<2000m		520*870*285mm/20 5*34 2*11 2inch
Ingress protection rating Relative humidity O=100% Operating environment temperature range(°C) Storage temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude IP65/ NAME 4X O=100% O=100% Topology Topology IP65/ NAME 4X O=100% Topology Topology IP65/ NAME 4X O=100% Topology Topology IP65/ NAME 4X O=100% Topology Topology Transformer-less <<2000m		
Relative humidity 0~100% Operating environment temperature range(°C) -25~60°C, >45°C Derating Storage temperature range(°C) -25~60 Display & Communication interface Touch color screen, RS485/Wi-Fi/CAN Warranty 5/10 years Cooling method Smart Cooling Topology Transformer-less Altitude <2000m	-	
Operating environment temperature range(°C) Storage temperature range(°C) Display & Communication interface Touch color screen, RS485/Wi-Fi/CAN Warranty Soling method Topology Altitude Topology Altitude		
Storage temperature range(°C) Display & Communication interface Warranty Cooling method Topology Altitude -25~60 Touch color screen, RS485/Wi-Fi/CAN Touch color screen, RS485/Wi-Fi/CAN Shart Cooling Transformer-less <2000m		
Display & Communication interface Warranty Cooling method Topology Altitude Touch color screen, RS485/Wi-Fi/CAN 5/10 years Smart Cooling Transformer-less <2000m		
Warranty 5/10 years Cooling method Smart Cooling Topology Transformer-less Altitude <2000m		
Cooling methodSmart CoolingTopologyTransformer-lessAltitude<2000m		
Topology Transformer-less Altitude <2000m		· · · · · · · · · · · · · · · · · · ·
Altitude <2000m		<u> </u>
		<2UUUIII

E5000, SA17-18, SA:2018, CSA STD. C22.2 No.107.1 and 330, UL STD.1741, 1741SB, UL1998:2018, IEEE STD.1547 and 1547.1 IEEE STD. HECO SRD-IEEE-1547.1, ETL, CETLus, America CEC List, NEC. section690.12, FCC

Energy Solution Partner

LU N POWER TEK

Three Phase

TriP **6-20K**

- Three-phase solutions
- 150% unbalanced output, Max.10kW per phase
- 20kW UPS output
- Supports 1.5 DC/AC ratio
- Supports up to 10pcs in parallel for on/off grid
- Battery working range: 100~700V
- Separated generator port
 - -Smart load prioritize necessities
 - -Up to 21.6kW generator/AC couping input



New TriP, New Journey 3-Phase Solution



SpecifiCation

Specification					_	
INPUT (PV DC)	TriP 6K	TriP 8K	TriP 10K	TriP 12K	TriP 15K	TriP 20K
Max. PV array power (W)	9000	12000	15000	18000	22500	30000
Reted PV input voltage (V)				50		
Number of independent MPPT inputs		2			3	
Max. PV input voltage (V)			100	00		
MPPT voltage range (V)			200	~900		
Start-up voltage (V)			16	50		
Max. PV input current per MPPT (A)		20/20			40/40/40	
Max. PV short-circuit current input per MPPT		25/25(A:1/B:1)		5	0/50/50(A:2/B:2/	C:2)
Battery		` '			·	,
Compatible battery type			Lithium-ion	/Lead-Acid		
Rated battery voltage (V)			4	00		
Battery voltage range (V)			100~	700		
Max. charge voltage (V)			70	0		
Max. charge/discharge current (A)			50)		
Max. charge/discharge power (W)	6000	8000	10000	12000	15000	20000
Force wake up battery from PV fuction(Y/N)			YE	5		
Grid						
Rated AC voltage (V)				/400		
Rated AC frequency (Hz)			5			
Rated AC output current (A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated AC output power (W)	6000	8000	10000	12000	15000	20000
Rated AC intput current (A)	11.4	15.3	19	22.8	28.5	37.9
Rated AC intput power (W)	6000	8000	10000	12000	15000	20000
PF		0.9	9(Adjustable fror		J.8 lagging)	
THDI			<3			
Rated AC current of BYPASS relays (A) UPS			9	U		
Rated output power (W)	6000	0000	10000	12000	15000	20000
Rated output voltage (V)	6000	8000	10000	12000	15000	20000
Rated output vottage (V)	9.1	12.2	15.2	18.2	22.8	30.3
Rated output frequency (Hz)	5.1	12.2		0	22.0	د.0د
Surge power, duration				n, 10s		
Switching time				Oms		
Wave form				wave		
THDV			<3			
Efficiency						
Max. efficiency			97.	.4%		
Max.charge/discharge efficiency			97.2	2%		
Protection						
PV reverse polarity protection(Y/N)			Υ	ES		
Over current/voltage protection(Y/N)			Υ	ES		
Anti-islanding protection			Υ	ES		
AC Short-circuit protection			Υ	ES		
Leakage current protecion			Υ	ES		
Grid monitoring				ES		
DC switch				ES		
Ingress protection				ES		
DC Surge protection Type III				ES		
AC Surge protection Type III			Υ	ES		
General						
Dimensions (W*H*D)			605*563*257mn	•	ch	
Weight				/94.8lbs		
Ingress protection rating				65		
Operating environment temperature range(°C)			-25 [°]			
Storage temperature range(°C) Relative humidity			-40°			
Display & Communication interface		_		00% > DC//05/M/ifi/C/	N	
Warranty		- 10	ouch color screer		IIV	
Cooling method		Natural cooli		ears	Smart cooling	
Topology		rvaturát COÓH		mer-less	Smart cooling	
Altitude	Transformer-less <4000m					
Noise emission (typical)			<50			
Standard & Certification			- 50			

VDE4105+0214, TOR Type A/B:2022

Your Reliable Energy Solution Partner



SNA **3-6K**

SNA 3-6K Single-Phase Inverter, a cutting-edge solution for residential energy independence.

This inverter offers more than just off-grid functionality; it also provides autonomous power generation, making it suitable for regions with unreliable power supplies. It s eamlessly transitions between on and off-grid modes, making it ideal for remote areas and places with unstable power, enabling direct off-grid use.



ECO HYBRID

How it works

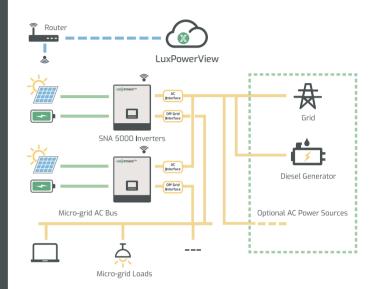
/ System Connection

Off-grid system is a good solution for the area where the grid power is unstable or in scarcity.

Advantage of solar power

- Easy to insta
- Efficient
- Cost-effective
- Environment-friendly

The inverters support a paralleling function for a maximum of 16 units, enhancing their overall capacity and flexibility.



/ Working Mode

Our off-grid SNA series introduces a variety of flexible operating modes designed to meet the diverse power consumption needs of different scenarios, including self-consumption, charging priority, and backup power modes.

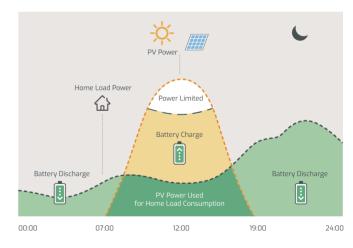
Self-consumption mode

Folar - Rattory - Litility Dower (CRLI)

Charging priority mode

Solar > Litility Dowar > Rattory (SLIR)

Backup power mode (no photovoltaic panels): Utility Power > Battery and Battery > Utility Power Users can choose specific modes based on their



--- PV Power

--- Home Load Power Usage



SNA 3-6K Single-Phase

- Off-grid seamless switching
- Wide PV input voltage range
- Single-phase/Unbalanced three-Phase
- Supports up to 16pcs in parallel
- Automatically assigns a primary unit for the parallel inverter system.
- Separated generator port available





SpecifiCation

SpecifiCation				
INPUT (PV DC)	SNA 3000W	SNA 4000W	SNA 5000W	SNA 6000W
Max. PV array power(W)	6000 (3000/3000)	8000 (4000/4000)	8000 (4000/4000)	8000 (4000/4000)
Rated PV input voltage(V)	,	3	20	
Number of independent MPPT inputs			2	
PV input voltage range(V)				
MPPT voltage range(V)			~385	
Start-up voltage(V)			00	
Max. PV input current per MPPT(A)			7/17	
Max. PV short-circuit current input per MPPT(A)		20,	/25	
Battery		Little in one in a	- /ll A -i -l	
Compatible battery type			n/Lead-Acid	
Rated battery voltage(V)			18	
Battery voltage range(V)			4~60	
Max. charge/discharge current(A)	70/70	90/90	110/110	125/140
Max. charge/discharge power(W)	3000	4000	5000	6000
Recommend capacity of battery per inverter	>100AH	>200AH	>200AH	>200AH
Force wake up battery from PV function		YE	ES	
Force wake up battery from Grid function		YE	ES	
Grid				
Rated AC voltage(V)		23	30	
Rated AC frequency(Hz)		50	/60	
Rated AC output current(A)	13.5	17.5	22	26.5
Rated AC output power(W)	3000	4000	5000	6000
PF	3000		0.8 leading to 0.8 lagging	
THDI		• •	5%	5/
Rated AC current of BYPASS relays(A)		40		
UPS				
Rated output power(W)	3000	4000	5000	6000
Rated output voltage(V)	3000		30	0000
Rated output current(A)	13.5	17.5	22	26.5
Rated output frequency(Hz)	15.5			20.5
Surge power, duration	50/60			
	2Pn, <2s <15ms@Single/ <30ms@Parallel			
Switching time Wave form				
THDV			wave	
		3	1%	
Efficiency MPDT officiency		0.0	0.00/	
Max. MPPT efficiency			9.9%	
Max. efficiency			3%	
Max. charge efficiency			3%	
Max. discharge efficiency		9:	3%	
Protection				
Over current/voltage protection			'ES	
AC Short-circuit current protection			'ES	
Grid monitoring			'ES	
AC Surge protection Type III			'ES	
Battery reverse polarity protection		Υ	'ES	
General				
Dimensions(W*H*D)		330*505*135m	nm/13*19.9*5.3inch	
Weight		14.5kg	g/32lbs	
Ingress protection rating		IF	20	
Operating environment temperature range(°C)	0~50			
Storage temperature range(°C)	-15~60			
Relative humidity			~95%	
Display & Communication interface			485/Wi-Fi/CAN	
Warranty			rears	
Cooling method			t Cooling	
Topology				
Altitude	Transformer-less <2000m			
Noise emission(typical)		<50		
		ישני		

IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1

Your Reliable Energy Solution Partner



SNA **US 6000**

- 240V/120V Output
- Off-grid seamless switching
- Split phase/Unbalanced 3-Phase
- Support up to 16pcs in parallel
- Automatically assigns a primary unit for the parallel inverter system.
- Separate generator port available





SpecifiCation

Your Reliable Energy Solution Partner

SNA-US 6000

8000(4000/4000)

320

aputs
2
100~480
120~385
100

INPUT (PV DC)	SNA-US 6000		
Max. PV array power (W)	8000(4000/4000)		
Rated PV input voltage(V)	320		
Number of independent MPPT inputs	2		
PV input voltage range(V)	100~480		
MPPT voltage range(V)	120~385		
Start-up voltage(V)	100		
Max. PV input current per MPPT(A)	17/17		
Max. PV short-circuit current input per MPPT(A)	25/25		
Battery	23/23		
Compatible battery type	Lithium-ion/Lead-Acid		
Rated battery voltage(V)	48		
Battery voltage range(V)	38.4~60		
Max. charge/discharge current(A)	125/140		
Max. charge/discharge power(W)	6000		
Recommend max. capacity of battery per inverter			
Force wake up battery from PV function	>200AH		
	YES		
Force wake up battery from Grid function Grid	YES		
	110(1 11) (220(1 11) 120(1 11) (2(1 1 1 1		
Rated AC voltage(V)	110(L-N)/220(L ₁ -L ₂); 120(L-N)/240(L ₁ -L ₂)		
Rated AC frequency(Hz)	50/60		
Max. AC input current(A)	41A@220V/37.5A@240V		
Max. AC input power(W)	9000		
Rated AC current of BYPASS relays(A)	50		
GEN			
Rated GEN voltage(V)	120/240		
Rated GEN frequency(Hz)	50/60		
Rated GEN input current(A)	32		
Rated GEN input power(W)	7370		
Rated GEN current of BYPASS relays(A)	60		
UPS			
Rated output power(W)	6000		
Rated output voltage(V)	110/220; 120/240		
Rated output current(A)	28A@220V/25A@240V		
Rated output frequency(Hz)	50/60		
Surge power, duration	2Pn, <2s		
Switching time	<15ms @ Single/ <30ms @ Parallel		
Wave form	Sine wave		
THDV	<3%		
Efficiency			
Max. MPPT efficiency	99.9%		
Max. efficiency	93.0%		
Max. charge/discharge efficiency	93.0%		
Protection			
Over current/voltage protection(Y/N)	YES		
AC short-circuit current protection(Y/N)	YES		
Grid monitoring(Y/N)	YES		
AC Surge protection Type III	YES		
Battery reverse polarity protection(Y/N)	YES		
AC breaker (Current/Voltage)	50A/230VAC		
Ups breaker (Current/Voltage)			
Battery breaker (Current/Voltage)	50A/230VAC		
GEN breaker (Current/Voltage)	200A/80V/DC 50A/330V/AC		
General	50A/230V/AC		
Dimensions(W*H*D)	/F0*CF0*1F0***** /177*3F C*F 0!**		
,	450*650*150mm/17.7*25.6*5.9inch		
Weight	24kg/53lbs		
Ingress protection rating	IP20		

Ingress protection rating IP20 Operating environment temperature range(°C) 0~50 Storage temperature range(°C) -15~60 Relative humidity 5%~95% Display & Communication interface LCD+LED, RS485/Wi-Fi/CAN Warranty 2 years Cooling method Smart Cooling Topology Transformer-less

Noise emission(typical)
Standard & Certification
CSA STD. C22.2 No.107.1, UL STD.1741, 17415B

Altitude

<2000m

<50dB



AC Retrofit

LXP 3600 ACS / LXP 3600 SQPOD

DC Retrofit

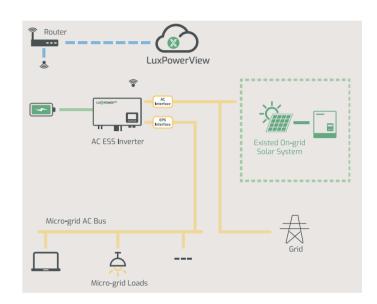
• LSP **100K**

One Step to Retrofit Your Solar System

/ AC Retrofit

Retrofit an existing on-grid solar system to add battery storage.

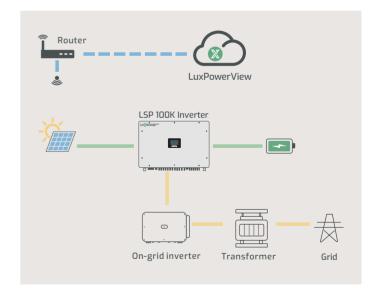
It couldn't be easier than installing an LXP AC series inverter coupled on AC side with a battery pack. Installation of a Lux AC system should not affect existing solar systems or feed in tariffs.



/ DC Retrofit

To retrofit an existing PV system by incorporating DC side coupling to create an energy storage system. With this enhanced storage system:

-It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule; -By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the Peak Shaving operating mode



AC RETROFIT



LXP **3600** ACS



- Octopus smart time of use, weather optimize
- Retrofit any on-grid/micro-grid system to energy storage system
- On/off-grid seamless switching under 20ms
- Battery charging/discharging current: 70A
- 3600W nominal AC output power
- Support up to 6pcs in parallel



NOTE:

Intelligent charge feature is only available in the UK for now,

supporting regional customization



SpecifiCation

Dettern.	1 VD 3C00 ACC/I VD 3C00 C0D0D	
Battery	LXP 3600 ACS/LXP 3600 SQPOD	
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	40~60	
Max. charge voltage(V)	60	
Max. charge/discharge current(A)	70	
Max. charge/discharge power(W)	3600	
Force wake up battery from Grid fuction(Y/N)	Υ	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	16	
Rated AC output power(W)	3600	
Max. AC intput current(A)	26	
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)	
THDI	<3%	
Rated AC current of BYPASS relays(A)	40	
UPS		
Rated output power(W)	3600	
Rated output voltage(V)	230	
Rated output current(A)	16	
Rated output frequency(Hz)	50/60	
peak power, duration	4500W, 30s	
Switching time	20ms	
Wave form	Sine wave	
THDV	<3%	
Parallel capacity	6	
Efficiency		
Max. efficiency	97.3%	
Max. charge efficiency	94.5%	
Max. discharge efficiency	94.5%	
Protection		
Over current/voltage protection	YES	
Anti-islanding protection	YES	
AC Short-circuit current protection	YES	
Grid monitoring	YES	
AC Surge protection Type III	YES	
General		
Dimensions(W*H*D)	650*440*220mm/25.6*17.3*8.6inch	
Weight	15.6kg/34.4lbs	
Ingress protection rating	IP65	
Operating environment temperature range(°C)	-25~60	
Storage temperature range(°C)	-40~65	
Relative humidity	0~95%	
Display & Communication interface	LCD, RS485/Wi-Fi/CAN	
Warranty	5 years	
Cooling method	Natural Cooling	
Topology	Transformer-less	
Altitude	2000m	
Noise emission(Typical)		
AC connector	<25dB	
Standards & Cortification	YES	

IEC62109-1, IEC62040, EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+ AC:2012, EN 61000-3-2:2014, EN 61000-3-3:2013, VDE-AR-N 4105 EN50549-1, G98, G100

Your Reliable Energy Solution Partner

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31

LXP **3600** SQPOD



- Modular expansion link up to 6 units together
- Number of batteries Min, 1 Max. 8 (5.12kWh for each battery)
- Retrofit any on-grid/micro-grid system to energy storage system
- EPS (Emergency Power Supply) functionality
- Free online monitoring platform
- Weather Compensation smart charge feature
- Multiple Works with Octopus auto charge packages
 - -Suggesting 40kwh for each machine, can be more.



Single Squirrel Pod



Double Squirrel Pod Two battery stacks



Multiple Squirrel Pod Three battery stacks



3 units work together as

Only the Primary has the CT connections Max charge/dischrge 10.5kW Each Squirrel Pod can have up to 8 batteries



Lux Power Battery Storage Agile Auto-Charge

Luxpower and Infinity Innovations Ltd. have developed an Agile Auto Charge (AAC) to allow automatic off- peak charging using the cheapest rates available. This is a Beta system and therefore reacts to data provided by Octopus. Lux Power has no involvement or responsibility for the content or timing of the information provided. Life is recommended that you read the Octopus Blog regarding all systems approved as compatible with Octopus.

https://octopus.energy/blog/works-with-octopus/

The AAC analyses the time and prices of the electricity information published by Octopus Energy and ranks the information by the price. You can therefore just input the number of charge periods you want to use, and the system will automatically charge using only the cheapest periods.

Simple to Programme

Agile Auto Charge will appear on your Luxpower Portal once activated by Infinity Innovations Ltd. Simply select the quantity of 30-min charge periods you require fo Night or Day charging and press save!

Night Charge - From midnight to 6am.

Select the desired number of charge periods, and your system will automatically adjust t charge during periods when prices are at their lowest.

Day Charge - From 12 noon to 4 pm.

This will allow you to top-up your batteries ready to get through the more expensiv On-Peak periods.

Blocking Discharge

You can also set periods where the batteries can charge but will not discharge. For example, block discharging from midnight to 6am and your batteries will charge using only the cheapest rates but will not discharge. So you can set all heavy usage tems - washing machines, dishwashers, EV charging etc. to also run at night without emptying your batteries. Using this function, you can ensure your batteries are 100% charged ready cover your house load at 6.am.



LU X POWERTEK

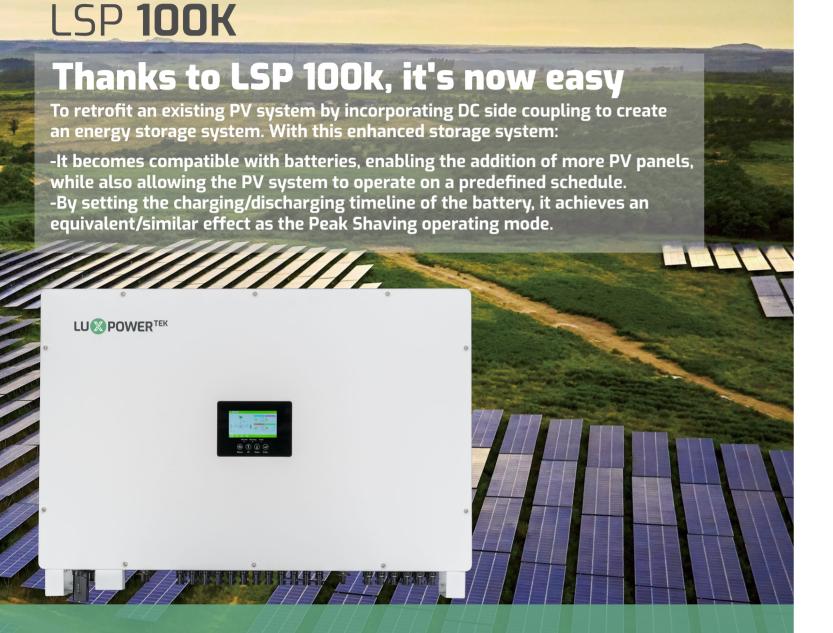
• DC-coupling, 24 MPPT inputs and 12 MPPT outputs

Advanced power management logic

SpecifiCation

INPUT (PV DC)	LSP 100K		
Max. input power(kW)	200		
Max. input voltage(V)	1100		
Rated PV input voltage(V)	630		
MPPT voltage range(V)	300~1000		
Start-up voltage(V)	330		
Max. short-circuit per MPPT(A)	33		
Max. current per MPPT input(A)	26		
Number of MPPT inputs	12		
Number of input strings	24		
Battery			
Type	Lithium-ion/Lead-acid		
Max. charge/discharge power(kW)	100		
Voltage range(V)	300~700		
Max. charge/discharge current(A)	200		
Max. charge/discharge efficiency	98.1%		
PV output			
DC-DC output rated power(kW)	100		
Normal output voltage(V)	630		
Output voltage range(V)	500~1000		
Max. output current(A)	20		
Output strings	12		
Output trackers	12		
Protection			
DC reverse-polarity protection	Yes		
DC surge arrester	Туре II		
General			
Dimensions(W*H*D)	1015*680*310mm/39.9*26.8*12inch		
Weight(with mounting plate)	120Kg/264.5lbs		
Protection degree rating	 IP65		
Topology	Transformer-less		
Cooling method	Natural Cooling		
Relative humidity	0%~100%		
Operating environment temperature range(°C)	-25~60		
Connector(PV input and Output)	MC4		
Battery connector	Screw		
Altitude	<4000m		
Warranty	5 years		
Display	Touch color screen, LED+LCD		
Communication interface	RS485/CAN/Wi-Fi		

EN 62109-1 / -2, IEC 62109-1 / -2

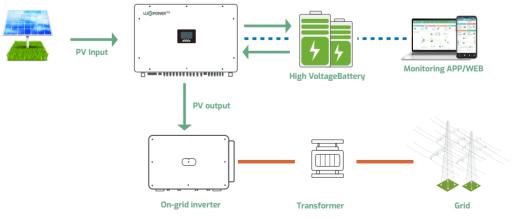


• Retrofit on-grid system to hybrid system (energy storage) • 24/7 real-time monitoring via free LUX app and web

DC RETROFIT

Max. 200kW PV input, 100kW PV output

Colorful touch LCD, IP65 for indoor/outdoor installation



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LU X POWER TEK

For APP Download





Android

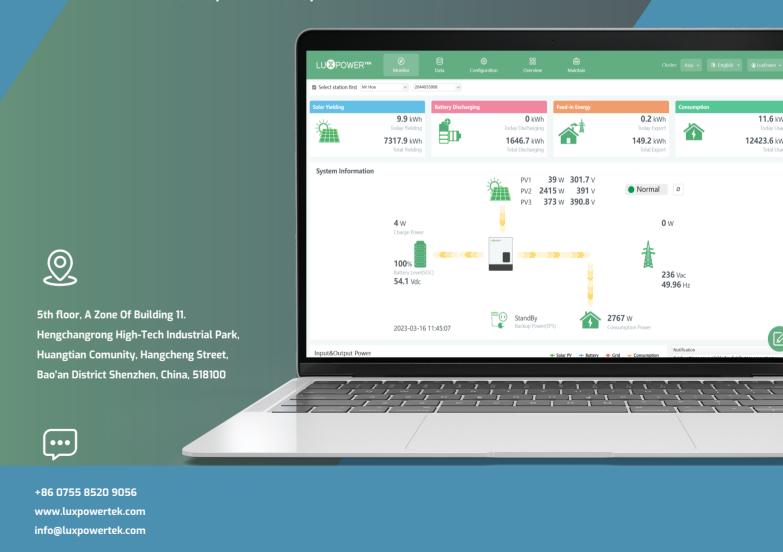
105



Intelligent Power Management System

Luxpower has dedicated to making things easier since day 1.

Thanks to the greatly accessible monitor and manager,
all needs from users, installers, and distributors can be met.



4



Certificates



















