

YOUR RELIABLE ENERGY SOLUTION PARTNER











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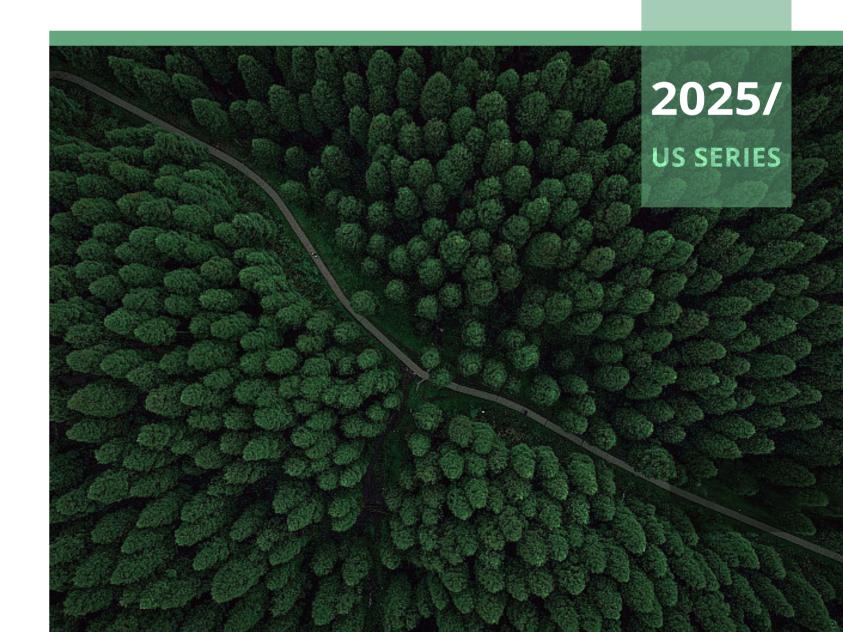
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MARKET LAYOUT







LuxpowerTek, a solar inverter industry leader, brings over 20 years of expertise in designing intelligent energy solutions for both electrified and off-grid areas globally. With a strategic presence in major regions, LuxpowerTek has successfully installed over 300,000 solar inverter systems. Our user-centric approach prioritizes addressing concerns and feedback, ensuring continuous improvement.

LuxpowerTek offers comprehensive, robust energy storage solutions for residential and commercial applications, shaping a sustainable energy future.

• SPLIT-PHASE



LXP-LB-US 5-10K P03



LXP-LB-US 12K

P05



GEN-LB-US 13K P07



GEN-LB-US 16K



GEN-HB-US 25K P11

• THREE-PHASE



TriP2-LB-US 5-10K P13



TriP2-HB-US 6-15K **P15**

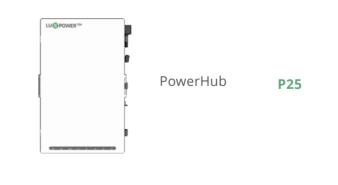
CATALOGUE

OFF-GRID





PowerHub



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 threephase

Advanced Parallel Units (Parallel Versions)

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

Key Features

- High PV input capacity for expanded solar coverage
- Fast charge & discharge performance for optimized energy use
- Compact, lightweight design for easy installation
- Real-time monitoring on LuxCloud (mobile & PC)
- Generator-ready for flexible backup power options
- Wide compatibility with leading battery brands and smart home systems



LXP-LB-US 5-10K

- 2 MPPTs with 4 strings input, Max. PV input 15kW
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- AFCI protection integrated
- Breakers (Grid, Gen, Load and Battery) are integrated
- Separate port for
- -Generator connection
- Auto generator control
- Support generator exercise
- Support generator boost function
- -Or smart load connection and auto control
- -Or AC coupling function





03 /04

Name	Model	LXP-LB-US 5K	LXP-LB-US 8K	LXP-LB-US 10K
Read of Project Voltage (V)	111			2A. 22 03 10K
Number of independent MiPF injusts Mar. PV Pippur value (PV) 600 MIPF voltage range (V) 120 - 500 MIPF voltage range (V) 120 - 500 Max. PV Pippur current per MIPF (A) 125 - 729 Max. PV Pippur current per MIPF (A) 131 - 731 Battery Compatible battery young (PV) 140 - 60 Max. PV Pippur current per MIPF (A) 151 - 167 Max. Charging a Classifier (V) 98 Rated battery voltage (V) 155	Max. PV input power (W)	8000	12000	15000
Max. PM prior evoltage (V)	· · ·		360	
MPF1 voltage range (V)	Number of independent MPPT inputs		2 / (2:2)	
Sunt up voltage (Mar. PV plant current in plut per MPPT (A) 140 152 / 25 17 31 31 31 31 31 31 31	Max. PV input voltage (V)		600	
Max. PV Injunit current per MPPT (A) Battery Battery Compatible bathery type Raced battery voltage (V) Batter	MPPT voltage range (V)		120 ~ 500	
Max. Pt Abort-cruzit current injust per MPPT (A)			140	
Battery Voltage (V)			25 / 25	
Embatile barrey type			31 / 31	
Rated Interry voltage IV	•			
Battery voltage range (V)				
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Max. charging / discharging power (N) 5000 8000 10000 Grid Fore wake up battery from PV function Fore Canage up battery from PV function \$120 / 240, 120 / 2028 \$3.80 / 2007 / 38.54.92.08V \$41.64.92.00V / 48.49.208V \$3.80 / 2007 / 38.54.92.08V \$41.64.92.20V / 48.49.208V \$3.80 / 2007 / 38.54.92.08V \$41.64.92.20V / 48.49.208V \$3.80 / 2007 / 20.92.08.09.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2008 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00 \$3.80 / 2007 / 20.92.00		445		240
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Surge power, duration 2 × rated power for 0.5s Switching time 20ms Wave form Sine wave THDV < 3% GEN Rated GEN voltage (V) Rated GEN input current (A) 41.7 50 / 60 Rated GEN input power (W) 10000 15000 Efficiency Wax. efficiency Max. efficiency Max. efficiency 99.9% Max. efficiency 99.9% Max. efficiency 97.5% Battery charge/discharge efficiency 96.4% Very Efficiency Protection YES Very polarity protection Over current/voltage protection YES Over current/voltage protection YES Act short-circuit protection YES Leakage current protection YES Act Short-circuit protection YES Rapid shut down YES Rapid shut down YES Rapid shut down YES		20.00@24077240@2007		41.0A@240V7 40A@200V
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Wave form			·	
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Standards & Certification	Max. Operating Altitude (m)		2000	
UL1741SA, UL1741SB, CSA22.2, UL1741PCS CRD, CEC, FCC Part15B, IEEE1547.1.				

LXP-LB-US 12K

- 3 MPPTs with 4 strings input, Max. 18kW PV input
- 200A grid passthrough for whole home backup
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- AFCI protection integrated
- Separate port for
- -Generator connection
- Auto generator control
- Support generator exercise
- Support generator boost function
- -Or smart load connection and auto control
- -Or AC coupling function





nput (PV DC)	
	18000
Max. PV input power (W)	
Rated PV input voltage (V)	360
Number of independent MPPT inputs	3 / (2:1:1)
Max. PV input voltage (V)	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	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40 ~ 60
Max. charging / discharging current (A)	250
Max. charging / discharging power (W)	12000
Force wake up battery from PV function	YES
Grid	
Rated AC voltage (V)	120 / 240; 120 / 208
Rated AC frequency (Hz)	50 / 60
1 1	
Rated AC output current (A)	50
Rated AC output power (W)	12000
Max. AC intput curren (A)	200
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDI	< 3%
Max. continuous AC passthrough current (A)	200
GEN	
Rated GEN voltage (V)	120 / 240; 120 / 208
Rated GEN frequency (Hz)	50 / 60
· · · ·	
Rated GEN input current (A)	62.5
Rated GEN input power (W)	15000
UPS	
Rated output power (W)	12000
Rated output voltage (V)	120 / 240; 120 / 208
Rated output current (A)	· · · · · · · · · · · · · · · · · · ·
	50
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	< 3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	97.5%
Battery charge / discharge efficiency	94.0%
, , , , , , , , , , , , , , , , , , , ,	
CEC efficiency	96.9%
Protection	
PV reverse polarity protection	YES
Over current / voltage protection	YES
Anti-islanding protection	YES
AC short-circuit protection	YES
Leakage current protecion	YES
DC switch	YES
AC/DC surge protection	Type III
Rapid shut down	
•	YES
Grid/AFCI/RSD monitoring	YES
Load breaker (Current)	200A
Battery breaker (Current/Voltage)	2*200A/80V
General	
Dimensions (W × H × D)	520 × 870 × 285 mm / 20.5 × 34.2 × 11.2 in
The state of the s	
Weight	55 kg / 121.2 lbs
Ingress protection rating	IP65 / NEMA 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, RS485 / Wi-Fi / CAN
Warranty	5 / 10 years
Cooling method	Smart Cooling
0	
Topology	Transformerless

GEN-LB-US 13K

- 2 MPPTs with 4 strings input, Max. 18kW PV input
- Supports up to 10pcs in parallel for on/off grid
- Peak shaving function
- Auto start/stop, works with battery and PV for load support.
- AC coupling function to retrofit the existing grid-tied system
- Remote Monitoring & Al Optimization





Model	GEN-LB-US 13K
Input (PV DC)	den-eb-03 13k
Max. PV array power (W)	21000
Max. PV input power (W)	18000
Rated PV input voltage (V)	360
Number of independent MPPT inputs	2 / (2:2)
Max. PV input voltage (V)	550
MPPT voltage range (V)	120 ~ 440
Start-up voltage (V)	140
Max. PV input current per MPPT (A)	26 / 26
Max. PV short-circuit current input per MPPT (A)	31 / 31
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40 ~ 60
Max. charging / discharging current (A)	208
Max. charging / discharging power (W)	10000
Force wake up battery from PV function	YES
Grid	
Rated AC voltage (V)	120 / 240 ; 120 / 208
Rated AC frequency (Hz)	50 / 60
Rated AC output current with PV (A)	54
Rated AC output power with PV (W)	13000@240V / 11200@208V
Max. AC input current (A)	63
THDI	<3%
	90
Max. continuous AC passthrough current (A) GEN	50
Rated GEN voltage (V)	120 / 240 ; 120 / 208
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	62.5
Max. GEN input current (A)	80
Rated GEN input power (W)	15000
UPS	
Rated output power (W)	10000
Rated output voltage (V)	120 / 240 ; 120 / 208
Rated output current (A)	41.6@240V; 48@208V
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	< 3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	97.5%
Battery charge / discharge efficiency	94.0%
CEC efficiency	96.6%
Protection	
PV reverse polarity protection	YES
Over current / voltage protection	YES
Anti-islanding protection	YES
AC short-circuit protection	YES
Leakage current protecion	YES
DC switch	YES
AC / DC surge protection	Type III
Rapid shut down	YES
Grid / AFCI / RSD monitoring	YES
Load breaker	80A
Battery breaker	250A / 80V
General	230A7 60V
Dimensions (W × H × D)	566 × 773 × 285 mm / 22.3 × 30.4 × 11.2 in
Weight	55 kg / 121.3 lbs
Ingress protection rating	IP66 / NEMA 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 Warranty	Touch color screen, RS485 / Wi-Fi / CAN
Warranty Cooling method	5 / 10 years Smart Cooling
Topology	Transformerless
Max. Operating Altitude (m)	2000
Standards & Certification	
UL 1741SA, UL 1741SB, CSA C22.2, CEC, FCC Part15B, IEEE 15	547.1. HECO SRD V2.0

GEN-LB-US 16K

- 3 MPPTs with 5 strings input, Max. 21kW PV input
- 200A grid passthrough for whole home backup
- Supports up to 10pcs in parallel for on/off grid
- Peak shaving function
- Auto start/stop, works with battery and PV for load support.
- AC coupling function to retrofit the existing grid-tied system
- Remote Monitoring & Al Optimization

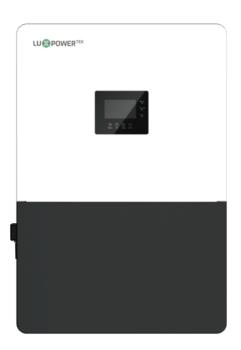




Model	GEN-LB-US 16K
Input (PV DC)	
Max. PV array power (W)	25000
Max. PV input power (W)	21000
Rated PV input voltage (V)	360
Number of independent MPPT inputs Max. PV input voltage (V)	3 / (2:2:1) 550
MPPT voltage range (V)	120 ~ 440
Start-up voltage (V)	140
Max. PV input current per MPPT (A)	26 / 26 / 15
Max. PV short-circuit current input per MPPT (A)	31 / 31 / 19
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40 ~ 60
Max. charging / discharging current (A)	250
Max. charging / discharging power (W)	12000
Force wake up battery from PV function	YES
Grid	420 /240 420 /200
Rated AC voltage (V)	120 / 240 ; 120 / 208
Rated AC grequency (Hz)	50 / 60
Rated AC output current with PV (A) Rated AC output power with PV (W)	66.7 16000@240V / 13800@208V
Max. AC intput current (A)	200
THDI	<3%
	200
Max. continuous AC passthrough current (A) GEN	
Rated GEN voltage (V)	120 / 240 ; 120 / 208
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	62.5
Max. GEN input current (A)	80
Rated GEN input power (W)	15000
UPS	
Rated output power (W)	12000
Rated output voltage (V)	120 / 240 ; 120 / 208
Rated output current (A)	50@240V ; 57.7@208V
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	< 3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	97.5%
Battery charge / discharge efficiency	94.0%
CEC efficiency	96.9%
Protection PV reverse polarity protection	VEC
PV reverse polarity protection Over current / voltage protection	YES YES
Anti-islanding protection	YES
AC short-circuit protection	YES
Leakage current protection	YES
DC switch	YES
AC / DC surge protection	Type III
Rapid shut down	YES
Grid / AFCI / RSD monitoring	YES
Load breaker	200A
Battery breaker	400A / 80V
General	
Dimensions (W × H × D)	566 × 893 × 285 mm / 22.3 × 35.2 × 11.2 in
Weight	57 kg / 125.7 lbs
Ingress protection rating Relative humidity	IP66 / NEMA 4X 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 Cooling method	5 / 10 years
Cooling method Topology	Smart Cooling Transformerless
Max. Operating Altitude (m)	2000
Standards & Certification	
UL 1741SA, UL 1741SB, CSA C22.2, CEC, FCC Part15B, IEI	EE 1547.1, HECO SRD V2.0

GEN-HB-US 25K (High Voltage)

- 120/240 split-phase output 25kW
- 6 MPPTs with 8 strings, Max. 48kW PV input
- Working with High Voltage Battery
- Whole House Backup with 200A Output
- Supports up to 6 units in Parallel
- Optimized for Small C&I and High Energy Demand Households





Start-up voltage (V) 120 34 / 34 / 17 / 17 / 17 / 17 Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) 50 / 50 / 30 / 30 / 30 / 30 Battery Lithium-ion / Lead-Acid Compatible battery type Rated battery voltage (V) 307.2 Battery voltage range (V) 120 ~ 454.4 Max. charging/discharging current (A) 100 Max. charging/discharging power (W) 25000 Force wake up battery from PV function Grid 120 / 240, 120 / 208 Rated AC voltage (V) Rated AC frequency (Hz) 50 / 60 Rated AC output current (A) Rated AC output power (W) 25000 Max. AC intput current (W) 108A 0.99 (Adjustable from 0.8 leading to 0.8 lagging) THDI 104A / Split; Bypass 200A Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) 120 / 240, 120 / 208 Rated GEN frequency (Hz) 50 / 60 Rated GEN input current (A) 104 Rated GEN input power (W) 25000 **EPS Output - with Battery** Rated output power (W) 25000 Rated output voltage (V) 120 / 240, 120 / 208 Rated output current (A) 104 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 10s Switching time < 15ms Wave form Sine wave THDV < 3% Efficiency MPPT efficiency 98.0% Max. efficiency 94.0% Max. charge/discharge efficiency 96.0% Protection Anti-islanding Protection YES AC Short-circuit Protection YES Leakage Current Protection YES Grid Monitoring YES YES PV DC Switch Grid/Load/Generator/Smart Load Breaker integrated YES Battery/PV reverse polarity protection YES Over Current/Voltage Protection YES PV Insulation Detection YES **Battery Soft Start Protection** YES SPD Protection YES AFCI/RSD protection YES GFCI YES General Dimensions (W \times H \times D) 626 × 924 × 285 mm / 24.7 × 36.4 × 11.2 in 73 kg / 160.94 lbs Weight Ingress protection rating IP65 Display LCD Topology Tranformerless Ambient Temperature Range $-25 \sim 60$ °C (> 45°C, output derating) Standby Losses 10W Sleep Mode, 30W Standby Mode Cooling Smart Cooling Relative Humidity Range 0 ~ 100% Max. Operating Altitude (m) 2000 Noise emission (dB) SunSpec Modbus RTU over RS485, RJ45 for ext Wifi Dongle Communication from Inverter Standards & Certification UL 1741SA, UL 1741SB, CSA C22.2, CEC, IEEE 1547.1, HECO SRD V2.0

GEN-HB-US 25K

48000

6 (A:2 / B:2 / C:1 / D:1 / E:1 / F:1)

120 ~ 480

Input (PV DC)

Max. PV input power (W)

Rated PV input voltage (V)

Max. PV input voltage (V) MPPT voltage range (V)

Number of independent MPPT inputs

TriP2-HB-US 6-15K (Three-Phase)

- Max. 3 MPPTs and Max. PV input 22.5kW
- 150% unbalanced output, Max.7.5kW per phase
- Battery working range: 100~700V
- Max. 15kW UPS output
- 120/208V three-phase output
- Supports up to 10pcs in parallel for on/off grid
- Dedicated GEN port for
 - Auto GEN control
 - Smart load function
 - AC coupling function



High Voltage



13/14

Model	TriP2-HB-US 6K	TriP2-HB-US 8K	TriP2-HB-US 10K	TriP2-HB-US 12K	TriP2-HB-US 15K
Input (PV DC)					
Max. PV input power (W)	9000	12000	15000	18000	22500
Rated PV input voltage (V)	3000	12000	690		22300
Number of independent MPPT inputs		2 / (1:1)		3/(2:2:2)
Max. PV input voltage (V)		. ,	1000		,
MPPT voltage range (V)			200 ~ 900		
Start-up voltage (V)			100		
Max. PV input current per MPPT (A)	20	/ 20		40 / 40 / 40	
Max. PV short-circuit current input per MPPT		/ 25		50 / 50 / 50	
Battery					
Compatible battery type		I	Lithium-ion / Lead-Acid		
Rated battery voltage (V)			400		
Battery voltage range (V)			100 ~ 800		
Max. charging / discharging current (A)		50		-	75
Max. charging / discharging power (W)	6000	8000	10000		
Force wake up battery from PV function			YES	12000	15000
Grid					
Rated AC voltage (V)		3	BL / N / PE, 120 / 208Vac		
Rated AC frequency (Hz)			50 / 60		
Rated AC output current (A)	16.7	22.2	27.8	33.3	41.7
Rated AC output power (W)	6000	8000	10000	12000	15000
Max. AC input current (A)	25.0	33.3	41.7	50.0	62.5
PF		0.99 (Adjusta	ble from 0.8 leading to	0.8 lagging)	
THDI		. ,	< 3%	00 0	
Max. continuous AC passthrough current (A)			75		
GEN					
Rated GEN voltage (V)		3	BL / N / PE, 120 / 208Vac		
Rated GEN frequency (Hz)			50 / 60		
Rated GEN input current (A)			30		
Rated GEN input power (W)			20700		
UPS					
Rated output power (W)	6000	8000	10000	12000	15000
Rated output voltage (V)		3	BL / N / PE, 120 / 208Vac		
Rated output current (A)	16.7	22.2	27.8	33.3	41.7
Rated output frequency (Hz)			50 / 60		
Surge power, duration		1.5	5 × rated power for 5mi	n	
Switching time			10ms		
Wave form			Sine wave		
THDV			< 3%		
Efficiency					
Max. efficiency			97.4%		
Max. charge / discharge efficiency			97.2%		
Protection					
PV reverse polarity protection			YES		
Over current / voltage protection			YES		
Anti-islanding protection			YES		
AC Short-circuit protection			YES		
Leakage current protecion			YES		
Grid monitoring			YES		
DC switch			YES		
Ingress protection			YES		
DC Surge protection			Type III		
AC Surge protection			Type III		
General					
Dimensions (W × H × D)		480 × 703	× 258 mm / 18.9 × 27.7	× 10.2 in	
Weight		TBD			110.2 lbs
Ingress protection rating			IP66		
Operating environment temperature range (°C)			-25 ~ 60		
Storage temperature range (°C)			-40 ~ 70		
Relative humidity			0 ~ 100%		
Display & Communication interface		Touch co	olor screen, RS485 / Wif	i / CAN	
Warranty			5 / 10 years		
Cooling method		Natural cooling		Smart	cooling
Topology			Transformerless	2	
Max. Operating Altitude (m)			2000		
Noise emission (dB)			50		

TriP2-LB-US 5-10K (Three-Phase)

- Supports independent grid export control for each phase
- Max. 3 MPPTs, Max. PV input: 15kW
- Compatible with 48V low-voltage battery systems
- 120/208V three-phase output
- Time of use, 8 time periods for charging & discharging
- Max. 10 pcs parallel for on grid &off grid
- Dedicated GEN port for
 - Auto GEN control
 - Smart load function
 - AC coupling function



Low Voltage



Model	TriP2-LB-US 5K	TriP2-LB-US 6K	TriP2-LB-US 8K	TriP2-LB-US 10K
Model	1111 Z ZD 03 3K	THE ED GO OK	1111 Z ZD 03 0K	THE ED OF TOK
Input (PV DC) Max. PV input power (W)	7500	9000	12000	15000
Rated PV input voltage (V)	7300		90	15000
Number of independent MPPT inputs			1:1:1)	
Max. PV input voltage (V)			000	
MPPT voltage range (V)		200	~ 900	
Start-up voltage (V)		1	00	
Max. PV input current per MPPT			20 / 20	
Max. PV short-circuit current input per MPPT (A)		25 / 2	25 / 25	
Battery		1241	(1 1 4 1 1	
Compatible battery type			n / Lead-Acid	
Battery voltage range (V) Max. charging/discharging current (A)	125	150	200	220
Max. charging/discharging power (W)	5000	6000	8000	10000
Charging Strategy for Li-ion Battery	3000	Self-adapt	tion to BMS	
Input AC (Grid)				
Input voltage range		3L / N / PE,	120 / 208Vac	
Rated AC frequency (Hz))/60	
Max. AC intput power (W)	6250	7500	10000	12500
Max. AC input current	17.4	20.8	27.8	34.7
Output AC (Grid)				
Rated AC voltage (V)			120 / 208Vac	
Rated AC frequency (Hz) Rated AC output power (W)	5000	6000	/ 60 8000	10000
Rated AC output power (W)	13.9	16.7	22.2	27.8
PF	15.5		0.8 leading to 0.8 lagging)	27.0
THDI		-	3%	
Max. continuous AC passthrough current (A)		30		50
GEN				
Rated GEN voltage (V)		3L / N / PE,	120 / 208Vac	
Rated GEN frequency (Hz)			/ 60	
Rated GEN input current (A)			30	
Rated GEN input power (W)		20	700	
Dated output naver (M)	5000	6000	8000	10000
Rated output power (W) Rated output voltage (V)	5000	6000	120 / 208Vac	10000
Rated output current (A)	13.9	16.7	22.2	27.8
Rated output frequency (Hz)	13.3		/ 60	27.0
Surge power, duration		1.5 × rated p	ower for 5min	
Switching time)ms	
Wave form		Sine	wave	
THDV		<	3%	
Efficiency			70/	
Max. efficiency			.7%	
Max. charge/discharge efficiency Protection		94	.0%	
PV reverse polarity protection		V	'ES	
Over current/voltage protection			ES	
Anti-islanding protection			ES	
AC Short-circuit protection		Υ	ES	
Leakage current protecion		Υ	ES	
Grid monitoring		Υ	ES	
DC switch			ES	
Ingress protection			ES	
DC Surge protection AC Surge protection		* '	oe III	
General		Typ	oe III	
Dimensions (W × H × D)		480 x 703 x 258 mm	/ 18.9 × 27.7 × 10.2 in	
Weight			BD	
Ingress protection rating			266	
Operating environment temperature range (°C)		-25 ~ +60, >4	45°C derating	
Storage temperature range (°C)			~ +60	
Relative humidity			100%	
Display & Communication interface			n, RS485 / Wifi / CAN	
Warranty) years	
Cooling method			cooling	
Topology Max. Operating Altitude (m)			rmerless 000	
Noise emission (dB)			50	
Standards & Certification				



The ultimate pick for off-grid applications, empowering energy independence. seamlessly switching between on and off-grid modes, it's tailored for remote regions and unstable power scenarios, enabling direct off-grid usage.

OUR CORE FEATURES

16pcs Parallel

With 16 units designed for parallel connections, this solution offers enhanced efficiency and flexibility for your power conversion needs. Whether you're integrating solar panels, batteries, or other renewable energysources, "16pcs Parallel" ensures seamless operation and optimized performance. Whether you're a professional or a DIY enthusiast, this product will beyour ideal choice.

Three-phase system with variable loads on each phase

Introducing our parallelized three-phase system, where each phase may have adifferent load. This state-of-the-art solution offers unmatched flexibility and efficiency for power distribution across diverse environments. Whether you're overseeing industrial machinery, commercial facilities, or residential grids, oursystem seamlessly adapts to varying loads on each phase. With robust performance and precise load management capabilities, it's perfect for optimizing energy usage and ensuring a dependable power supply.

Separate Generator Port Available

This addition expands the diversity of energy independence options by providing additional flexibility in power source selection, Whether you're incorporatingsolar panels, batteries, or generators, our system offers seamless integrationand optimized performance. With its adaptable design and expanded options, it's the ideal solution for diversifying energy sources and ensuring reliable power supply in various scenarios.

480V High Voltage PV Input

With this capability, our system allows for the integration of as many solarpanels as possible, optimizing energy generation potential. Whether forresidential, commercial, or industrial applications, this feature ensures efficient utilization of solar resources and enhanced energy output. Say goodbye to limitations and hello to unparalleled solar power flexibility with our high PV voltage input.

SNA US 3K

- 120V off-grid output.
- Supports up to 16 units in parallel.
- Maximum PV input voltage: 500V.
- 2 MPPTs, maximum PV input: 8kW.
- Maximum charge and discharge current: 70A.
- Dedicated generator port,
 AC coupling or intelligent charge management.





Input (PV DC)	Model	SNA US 3K
Max. PM input power (W) 330 Number of Independent MPPT inputs 2.7 (1:1) Number of Independent MPPT inputs 2.7 (1:1) Max. PM input togge (Y) 120 - 385 Start-up voitage range (Y) 100 Max. PM input current per MPPT (A) 17 / 17 Max. PM input current per MPPT (A) 25 / 25 Start-up voitage (Y) 100 Max. PM input current per MPPT (A) 25 / 25 Start-up voitage (Y) 100 Max. PM input current per MPPT (A) 25 / 25 Start-up voitage (Y) 48 Start-up voitage (Y) 300 Max. Charging discharging power (W) 300 Start-up voitage (Y) 300 Start-up voitage (Y) 300 Start-up voitage (Y) 300 Start-up voitage (Y) 300 Start (A) voitage (Y) 120 Rated AC voitage (Y) 120 Rated AC voitage (Y) 120 Rated AC voitage (Y) 40 Start (A requirency (Hz) 40 Max. AC imput current (A) 32 Rated GEN input power (W) 300 Rated coupt power (W) 300	***	JNA 03 3K
Rated PV Number of Independent MPPT injusts 2 / (1/11)		8000 (4000 / 4000)
Number of Independent MPPT injunts 2		
Max. PV input voltage (V)		
MPPT voltage range (v)		
Start-up voltage (V)		
Max. Ps Max.		100
Eathery Compatible battery type		17 / 17
Compatible battery type	Max. PV short-circuit current input per MPPT (A)	25 / 25
Battery voltage (1)	Battery	
Battery voltage range (V)	Compatible battery type	Lithium-ion / Lead-Acid
Max. charging/discharging current (A) Max. charging/discharging gower (W) Force wake up battery from PC function Rated AC voltage (V) Rated AC voltage (V) Max. AC intitut current (A) Rated GEN voltage (V) Rated GEN voltage (V) Rated GEN frequency (Hz) So I / 60 Rated GEN input power (W) 3000 Rated GEN input power (W) 3000 Rated GEN input power (W) 3000 Rated output power (W) 400 Rated	Rated battery voltage (V)	48
Max. charging/discharging power (W) 3000	Battery voltage range (V)	38.4 ~ 60
Force wake up battery from EV function Force wake up battery from Grid function Rated AC frequency (Hz) For food Max. AC intiput current (A) Force wake up battery from Grid function Force Force wake up battery from Force Forc		70
Force wake up battery from Grid function YES	Max. charging/discharging power (W)	3000
Rated AC of requency (Hz) Rated AC frequency (Hz) Rate AC continuous AC passthrough current (A) Rate AC continuous AC passthrough current (A) Rated GEN voltage (Y) Rated GEN inquit current (A) Rated GEN inquit power (W) Rated GUBPA (MC) Rated output power (W) Rated output power (M) Rated output power output power (M) Rated output power o		YES
Rated AC yollage (V)	Force wake up battery from Grid function	YES
Rated AC Frequency (Hz)		
Max. AC intput current (A) 40 Max. AC imput power (W) 4500 Max. Continuous AC passibrough current (A) 60 GEN 120 Rated GEN voltage (V) 120 Rated GEN input current (A) 32 Rated GEN input power (W) 3840 UPS 3840 Rated Output power (W) 3000 Rated output voltage (V) 120 Rated output voltage (V) 120 Rated output current (A) 25 Rated output voltage (V) 50 / 60 Surge power, duration 2 × rated power for 2s Surbiding time < 10ms@single / <20ms@Parallel		· · · · · · · · · · · · · · · · · · ·
Max. AC initiput power (W) 4500 Max. continuous AC passthrough current (A) 60 GEN 120 Rated GEN logueuro (Hz) 50 / 60 Rated GEN input current (A) 32 Rated GEN input power (W) 3840 UPS 8 Rated output power (W) 3000 Rated output voltage (Y) 120 Rated output voltage (Y) 120 Rated output frequency (Hz) 50 / 60 Surge power, duration 25 Rated output frequency (Hz) 50 / 60 Switching time <10ms@Single / <2ums@Parallel		
Max. continuous AC passthrough current (A) 60 GEN 120 Rated GEN Input current (A) 30 / 50 Rated GEN input current (A) 32 Rated GEN input power (W) 3840 UPS Rated Output power (W) Rated output power (W) 3000 Rated output voltage (V) 120 Rated output requency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time < 10 msy Single / <20ms@Parallel Wave form Sine wave THOV 3 % Efficiency 99 9% Max. MPT efficiency 99 9% Max. efficiency 99 9% Max. efficiency 93.0% Max. efficiency 93.0% Vest 95.0% Protection YES AC short-circuit current protection YES AC Surge protection YES AC Surge protection YES DC switch YES Vex Faul betection YES		<u>-</u>
GEN 120 Rated GEN Irequency (Hz) 50 / 60 Rated GEN Irequency (Hz) 32 Rated GEN Input corrent (A) 3840 UPS Rated output power (W) 3000 Rated output voltage (Y) 120 Rated output voltage (Y) 120 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@injete(
Rated GEN voltage (V) 120 Rated GEN frequency (Hz) 50 / 60 Rated GEN input current (A) 32 Rated GEN input power (W) 3840 UPS Rated output power (W) 3000 Rated output voltage (V) 120 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Sutching time <10ms@single / <20ms@parallel		60
Rated GEN frequency (Hz) 50 / 60 Rated GEN input current (A) 32 Rated GEN input power (W) 3840 UPS 3000 Rated output power (W) 3000 Rated output voltage (V) 120 Rated output frequency (Hz) 55 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@Single / <20ms@Parallel		
Rated GEN input power (W) 3840 UPS Sated output power (W) Rated output power (W) 3000 Rated output power (W) 120 Rated output current (A) 25 Rated output frequency (H2) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@single / <20ms@Parallel		
Rated GEN input power (W) 3840		
Rated output power (W) 3000 Rated output voltage (V) 120 Rated output current (A) 25 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 x rated power for 2 S Switching time <10ms@Single / <20ms@Parallel Sine wave THDV <3% Sine wave Sine wa	-	
Rated output power (W) 3000 Rated output voltage (V) 120 Rated output current (A) 25 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@Single / <20ms@Parallel		3840
Rated output voltage (V) 120 Rated output current (A) 25 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@Single / <20ms@Parallel		2000
Rated output current (A) 25 Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2 s Switching time < 10ms@single / < 20ms@Parallel		
Rated output frequency (Hz) 50 / 60 Surge power, duration 2 × rated power for 2s Switching time <10ms@Single / <20ms@Parallel		
Surge power, duration 2 × rated power for 2s Switching time <10ms@single / <20ms@praallel		-
Switching time <10ms@Single / <20ms@Parallel		
Wave form Sine wave THDV < 3% Efficiency 99.9% Max. MPPT efficiency 99.9% Max. efficiency 93.0% Max. charge / discharge efficiency 93.0% Protection VES Over current / voltage protection YES AC Surge protection YES Grid monitoring YES AC Surge protection YES Battery reverse polarity protection YES DC switch YES PV Arc Fault Detection YES General YES Dimensions (W * H * D) 330 * 505 * 135 mm / 13 * 19.9 * 5.3 in Weight 14.5 kg / 31.97 lbs Ingress protection rating IP20 Operating environment temperature range (°C) 0 ~ 50 Storage temperature range (°C) -5.60 Relative humidity 5% ~ 95% Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Smart Cooling Noise emission (dB) 50	• .	·
### THDV	-	
Efficiency 99.9% Max. MPPT efficiency 93.0% Max. cfficiency 93.0% Max. charge / discharge efficiency 93.0% Protection YES Over current / voltage protection YES AC short-circuit current protection YES Grid monitoring YES AC Surge protection Type III Battery reverse polarity protection YES DC switch YES VA rc Fault Detection YES General YES Dimensions (W × H × D) 330 × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight 14.5 kg / 31.97 lbs Ingress protection rating IP20 Operating environment temperature range (°C) 0 - 50 Storage 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 Transformerless Max. Operating Altitude (m) 2000 Noise emission (dB) 50		
Max. MPT efficiency 99.9% Max. efficiency 93.0% Max. charge / discharge efficiency Protection Over current / voltage protection AC short-circuit current protection AC short-circuit current protection FYES AC Surge protection AC Surge protection FYES AC Surge protection Type III Sattery reverse polarity protection YES DC switch YES PV Arc Fault Detection FYES Ceneral Dimensions (W × H × D) May Sobs × 135 mm / 13 × 19.9 × 5.3 in Weight Ingress protection rating Ip20 Operating environment temperature range (°C) Storage temperature range (°C) For Storage temperature range (°C) Fiscale temperature range (°C) Storage temperature range (°C) Fiscale temperature range (°C)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Max. efficiency 93.0% Max. charge / discharge efficiency Protection Over current / voltage protection AC short-circuit current protection Grid monitoring YES AC Surge protection Type III Battery reverse polarity protection YES OC switch YES VES VES VES VES VES VES VES		99.9%
Max. charge / discharge efficiency Protection Over current / voltage protection AC short-circuit current protection Fig. 3 YES AC Surge protection AC Surge protection Battery reverse polarity protection Fyes III Battery reverse polarity protection YES Coswitch PV Arc Fault Detection General Dimensions (W × H × D) Bigness protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty Cooling method Noise emission (dB) Noise emission (dB)		
Over current / voltage protection AC short-circuit current protection AC short-circuit current protection Grid monitoring AC Surge protection Battery reverse polarity protection CS witch PV Arc Fault Detection Type III Battery reverse polarity protection YES PV Arc Fault Detection YES General Dimensions (W × H × D) S30 × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight Ingress protection rating IP20 Operating environment temperature range (°C) Storage temperature range (°C) To - 50 Storage temperature range (°C) Relative humidity S% ~ 95% Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)	-	
AC short-circuit current protection Grid monitoring AC Surge protection Type III Battery reverse polarity protection YES DC switch PV Arc Fault Detection Tyes General Dimensions (W × H × D) Meight Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface Warranty Cooling method Topology Noise emission (dB) PYES YES AC Surge III AVES	Protection	
Grid monitoringYESAC Surge protectionType IIIBattery reverse polarity protectionYESDC switchYESPV Arc Fault DetectionYESGeneralDimensions (W × H × D)330 × 505 × 135 mm / 13 × 19.9 × 5.3 inWeight14.5 kg / 31.97 lbsIngress protection ratingIP20Operating environment temperature range (°C)0 ~ 50Storage temperature range (°C)-15 ~ 60Relative humidity5% ~ 95%Display & Communication interfaceLCD+LED, RS485 / Wi-Fi / CANWarranty2 yearsCooling methodSmart CoolingTopologyTransformerlessMax. Operating Altitude (m)2000Noise emission (dB)50	Over current / voltage protection	YES
AC Surge protection Battery reverse polarity protection PVES DC switch PV Arc Fault Detection Seneral Dimensions (W × H × D) Dimensions (W × H × D) Sano × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Signary Cooling method Topology Noise emission (dB)	AC short-circuit current protection	YES
Battery reverse polarity protection PC switch PV Arc Fault Detection General Dimensions (W × H × D) Meight Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface Warranty Cooling method Topology Noise emission (dB) PYES YES 9YES 330 × 505 × 135 mm / 13 × 19.9 × 5.3 in 14.5 kg / 31.97 lbs 1920 0 ~ 50 1-5 ~ 60 1-5	Grid monitoring	YES
DC switch PV Arc Fault Detection General Dimensions (W × H × D) Weight Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface Cooling method Topology Max. Operating Altitude (m) PYES YES YES YES YES YES YES YE	AC Surge protection	Type III
PV Arc Fault Detection General Dimensions (W × H × D) 330 × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight 14.5 kg / 31.97 lbs Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface Warranty Cooling method Topology Max. Operating Altitude (m) Noise emission (dB)	Battery reverse polarity protection	YES
Dimensions (W × H × D) 330 × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight 14.5 kg / 31.97 lbs Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface UCD+LED, RS485 / Wi-Fi / CAN Warranty Cooling method Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)	DC switch	YES
Dimensions (W × H × D) 330 × 505 × 135 mm / 13 × 19.9 × 5.3 in Weight 14.5 kg / 31.97 lbs Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Sw ~ 95% Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)	PV Arc Fault Detection	YES
Weight14.5 kg / 31.97 lbsIngress protection ratingIP20Operating environment temperature range (°C)0 ~ 50Storage temperature range (°C)-15 ~ 60Relative humidity5% ~ 95%Display & Communication interfaceLCD+LED, RS485 / Wi-Fi / CANWarranty2 yearsCooling methodSmart CoolingTopologyTransformerlessMax. Operating Altitude (m)2000Noise emission (dB)50	General	
Ingress protection rating Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)	Dimensions (W × H × D)	$330 \times 505 \times 135$ mm / $13 \times 19.9 \times 5.3$ in
Operating environment temperature range (°C) Storage temperature range (°C) Relative humidity Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)	Weight	14.5 kg / 31.97 lbs
Storage temperature range (°C) Relative humidity 5% ~ 95% Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) Noise emission (dB) 50		IP20
Relative humidity 5% ~ 95% Display & Communication interface LCD+LED, RS485 / Wi-Fi / CAN Warranty 2 years Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) 2000 Noise emission (dB) 50		
Display & Communication interface UCD+LED, RS485 / Wi-Fi / CAN 2 years Cooling method Smart Cooling Topology Transformerless Max. Operating Altitude (m) Noise emission (dB)		
Warranty2 yearsCooling methodSmart CoolingTopologyTransformerlessMax. Operating Altitude (m)2000Noise emission (dB)50		
Cooling methodSmart CoolingTopologyTransformerlessMax. Operating Altitude (m)2000Noise emission (dB)50		
TopologyTransformerlessMax. Operating Altitude (m)2000Noise emission (dB)50		· · · · · · · · · · · · · · · · · · ·
Max. Operating Altitude (m) 2000 Noise emission (dB) 50		
Noise emission (dB) 50		
Standards & Certification	Standards & Certification	

SNA US 6K

- 240V/120V off-grid split-phase output
- Supports up to 16pcs in parallel
- Off-grid seamless switching
- AFCI protection integrated
- Dedicated port for generator, AC coupling or smart load management
- Breakers (Grid, Load, Gen and Battery) and PV switch are integrated





21/22

Input (PV DC) Max. PV input power (W) Rated PV input voltage (V) Number of independent MPPT inputs Max. PV input voltage (V) MPPT voltage range (V) Start-up voltage (V) Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) Battery Compatible battery type Rated battery voltage (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC requency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. AC intput power (W) Max. AC intput power (W) Max. AC input power (W) Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) Rated GEN input power (W) Rated GEN input power (W) Rated output roltage (V) Rated output rerurent (A) Rated output frequency (Hz) Sated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	8000 (4000 / 4000) 320 2 / (1:1) 500 120 ~ 385 100 17 / 17 25 / 25 Lithium-ion / Lead-Acid 48 38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Rated PV input voltage (V) Number of independent MPPT inputs Max. PV input voltage (V) MPPT voltage range (V) Start-up voltage (V) Max. PV input current per MPPT (A) Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) Battery Compatible battery type Rated battery voltage (V) Battery voltage range (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC requency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. Continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	320 2 / (1:1) 500 120 ~ 385 100 17 / 17 25 / 25 Lithium-ion / Lead-Acid 48 38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Number of independent MPPT inputs Max. PV input voltage (V) MPPT voltage range (V) Start-up voltage (V) Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) Battery Compatible battery type Rated battery voltage (V) Battery voltage range (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. AC intput power (W) Max. AC intput power (W) Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output voltage (V) Rated output power (W) Wes Rated output voltage (V) Rated output rerent (A) Rated output rerent re	2 / (1:1) 500 120 ~ 385 100 17 / 17 25 / 25 Lithium-ion / Lead-Acid 48 38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
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Max. PV input voltage (V) MPPT voltage range (V) Start-up voltage (V) Max. PV input current per MPPT (A) Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) Battery Compatible battery type Rated battery voltage (V) Battery voltage range (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. ac intput power (W) Max. ac intput power (Hz) Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output power (W) Rated output fower (W) Rated output trent fal (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	500 120 ~ 385 100 17 / 17 25 / 25 Lithium-ion / Lead-Acid 48 38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
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Start-up voltage (V) Max. PV input current per MPPT (A) Max. PV short-circuit current input per MPPT (A) Battery Compatible battery type Rated battery voltage (V) Battery voltage range (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. aC intput power (W) Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) Wax ac defendency (Hz) Rated GEN input power (W) Wax act in input power (W) Sated output power (W) Rated output rower (W) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	100 17 / 17 25 / 25 Lithium-ion / Lead-Acid 48 38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
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Battery voltage range (V) Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output trequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	38.4 ~ 60 125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Max. charging/discharging current (A) Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output voltage (V) Rated output trequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	125 / 140 6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output power (W) Rated output rourrent (A) Rated output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	6000 YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Max. charging/discharging power (W) Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN input current (A) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output power (W) Rated output rorrent (A) Rated output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Force wake up battery from PV function Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output requency (Hz) Sarded output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	YES YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Force wake up battery from Grid function Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output requency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	YES 110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Grid Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output vrent (A) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	110(L-N) / 220(L1-L2); 120(L-N) / 240(L1-L2) 50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Rated AC voltage (V) Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Rated AC frequency (Hz) Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 / 60 41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Max. AC intput current (A) Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output voltage (V) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	41A@220V / 37.5A@240V 9000 50 120 / 240 50 / 60 32 7370
Max. AC intput power (W) Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	9000 50 120 / 240 50 / 60 32 7370
Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 120 / 240 50 / 60 32 7370
Max. continuous AC passthrough current (A) GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 120 / 240 50 / 60 32 7370
GEN Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	120 / 240 50 / 60 32 7370
Rated GEN voltage (V) Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 / 60 32 7370
Rated GEN frequency (Hz) Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 / 60 32 7370
Rated GEN input current (A) Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	32 7370
Rated GEN input power (W) UPS Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	7370
Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	
Rated output power (W) Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	6000
Rated output voltage (V) Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	6000
Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	
Rated output current (A) Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	110 / 220; 120 / 240
Rated output frequency (Hz) Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	28A@220V / 25A@240V
Surge power, duration Switching time Wave form THDV Efficiency Max. MPPT efficiency	
Switching time Wave form THDV Efficiency Max. MPPT efficiency	50 / 60
Wave form THDV Efficiency Max. MPPT efficiency	2 × rated power for 2s
THDV Efficiency Max. MPPT efficiency	<7ms@Single/<20ms@Parallel
Efficiency Max. MPPT efficiency	Sine wave
Max. MPPT efficiency	< 3%
·	
·	99.9%
IVIAX PUICIPROV	93.0%
Max. charge / discharge efficiency	93.0%
Protection	93.070
	VEC
Over current / voltage protection	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC Surge protection	Type III
Battery reverse polarity protection	YES
DC switch	YES
Rapid shut down	YES
PV Arc Fault Detection	YES
AC & UPS breaker (Current/Voltage)	50A / 230VAC
Battery breaker (Current/Voltage)	200A / 80V/DC
GEN breaker (Current/Voltage)	50A / 230V/AC
General	
Dimensions (W × H × D)	450 × 650 × 150 mm / 17.7 × 25.6 × 5.9 in
· · · · · · · · · · · · · · · · · · ·	
Weight	24 kg / 53 lbs
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
-	Transformerless
Topology May Operating Altitude (m)	
Max. Operating Altitude (m)	2000
Noise emission (dB) Standards & Certification	50

ECO HYBRID

SNA US 12-15K

- 240/120V off-grid split-phase output
- 2 MPPTs with 4 strings, Max. 24kW PV input
- Max. charging and discharging current: 250A
- AFCI Protection Integrated
- Dual AC output ports for multiple load connections
- Integrated Design with Load and Battery Breaker
- PV or AC or Generator wake up battery
- AC/Generator (input 240V or 120V) charge function
- Supports up to 16 units in parallel
- Dedicated GEN Port with Auto-Start and GEN Boost Function





Model	SNA US 12K	SNA US 15K
nput (PV DC)		
Max. PV input power (W)	24000 (1200	00 / 12000)
Rated PV input voltage (V)	32	
Number of independent MPPT inputs	2 / (2	2:2)
Max. PV input voltage (V)	48	0
MPPT voltage range (V)	120 ~	440
Start-up voltage (V)	10	0
Max. PV input current per MPPT (A)	35 /	35
Max. PV short-circuit current input per MPPT (A)	44 /	44
Battery		
Compatible battery type	Lithium-ion	/ Lead-Acid
Rated battery voltage (V)	48 / 5	
Battery voltage range (V)	46.4 ~ 60 /	38.4 ~ 60
Max. charging / discharging current (A)	25	0
Max. charging / discharging power (W)	120	00
Force wake up battery from PV and Grid function	YE	S
Grid		
Rated AC voltage (V)	120 / 240;	120 / 208
AC Start-up Voltage	90 (1	L)
Acceptable Input Voltage Range (V)	130 ~ 280) (L-L)
Rated AC frequency (Hz)	50 /	60
Rated AC input current (A)	100A@	240V
Rated AC input power (W)	240	00
PF	0.9	9
THDI	< 5	%
Max. continuous AC passthrough current(A)	10	0
GEN		
Rated GEN voltage (V)	120 / 240;	120 / 208
Rated GEN frequency (Hz)	50 /	
Rated GEN input current (A)	62.	5
Rated GEN input power (W)	150	00
UPS		
Rated output power (W)	12000	15000@240V (with PV + Battery)
Rated output voltage (V)	120 / 240;	120 / 208
Rated output current (A)	50@240V	62.5@240V
Rated output frequency (Hz)	50 /	60
Surge power, duration	2 × rated po	ower for 5s
Switching time (UPS)	<10	
Vave form	Sine v	vave
THDV	3%	6
Overload protection	5s@≥150% load / 10s	@110%~150% load
Efficiency		
MPPT efficiency	99.0	0%
Max. efficiency	93.5	5%
Max. charge / discharge efficiency	93.0	0%
Protection		
PV reverse polarity protection (Y/N)	YE	S
Over current / voltage protection (Y/N)	YE	S
AC Short-circuit current protection (Y/N)	YE	S
Grid monitoring (Y/N)	YE	
DC switch (Y/N)	YE	S
OC Surge protection	Туре	2
AC Surge protection	Туре	
Battery reverse polarity protection (Y/N)	YE	
RSD / AFCI monitoring (Y/N)	YE	
JPS / Battery breakers integrated	YE	
General		
Dimensions (W × H × D mm)	530 × 830 × 150 mm /	17.72 × 25.59 × 5.9 in
Veight	47.5 kg / 1	
ngress protection rating	IP2	
Operating environment temperature range(°C)	0~-	
Storage temperature range(°C)	-15 ~	
Relative humidity	5% ~	
Display & Communication interface	LCD+RGB, RS48	
Warranty	2 yea	
Cooling method	Smart c	
Cooming friedrou		7 / Transformer
Tonology on AC / Rattery side	ranctormariaee	
Topology on AC / Battery side		
Fopology on AC / Battery side Max. Operating Altitude (m) Noise emission (dB)	200 50	00

Smart Energy Integration Hub

PowerHub

Key Features:

• Centralized Control:

PowerHub acts as the central controller for all home power sources, efficiently integrating the grid, existing grid-tied systems, generators, and directly connecting to various types of loads to supply uninterrupted electricity to your home.

• Seamless Transition:

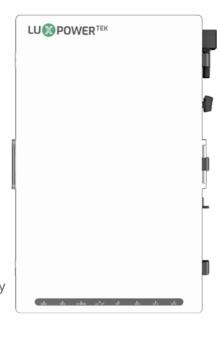
Automatically transitions your home's power supply from grid power to backup power, ensuring that essential appliances like refrigerators and network routers remain unaffected during grid outages.

• Flexible Connections:

With four independent smart ports, PowerHub offers versatile connectivity options for integrating with existing systems or directly powering loads.

• Enhanced Reliability:

By managing and optimizing multiple power sources, PowerHub enhances the reliability and stability of your home's energy supply.

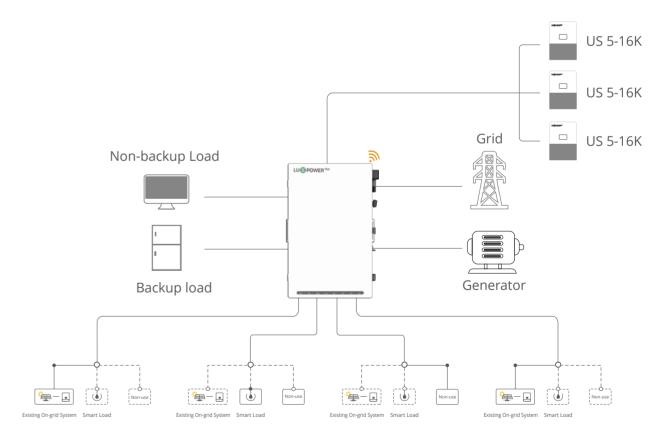




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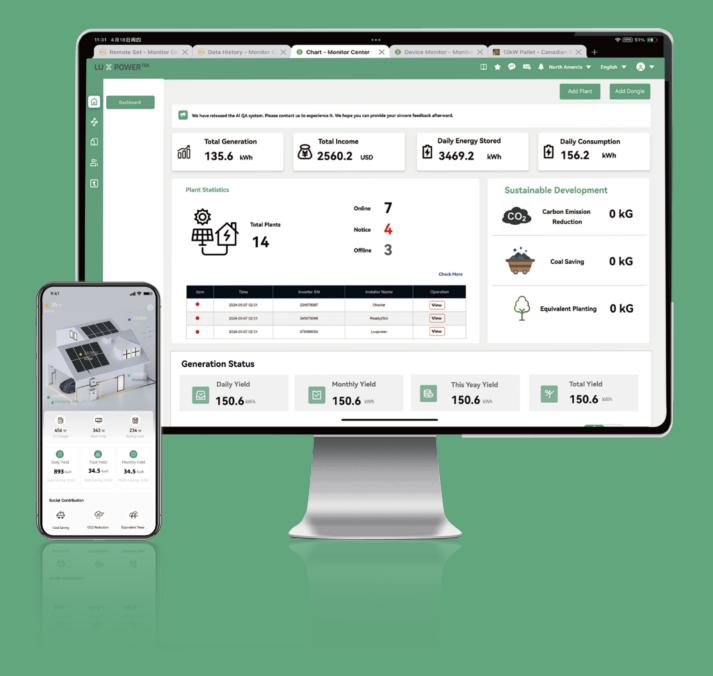
Performance specifications	PowerHub			
Port Name	Port Qty	Max. Current		
For Hybrid Inverter	3	70		
-		125		
		80		
or Smart load	4	60		
		60		
or backup load	1	200		
r Non-backup load	1	200		
r Generator	1	125		
r Grid	1	200		
neral Data		·		
erating Ambient Temperature Range	-40°C to 60°C -40°F to 140°F			
c. Operating Altitude	2000 m (6561 ft)			
ative Humidity	0 ~ 100%			
itdoor Rating	NEMA 4X			
mensions	500 × 800 × 178 mm / 19.7 × 31.5 × 7 in			
eight	25 kg	g / 55 lbs		
ounting	Wall-mounted			

UL1741,UL869A,UL916,FCC Part15B



LUXPOWERTEK MONITORING CLOUD

Redefining energy management efficiency through AI empowerment



LuxBot Intelligent Customer Service

- 24/7 real-time multilingual support;
- Resolves user inquiries rapidly through Natural Language Processing (NLP), offering device diagnostics, energy consumption analysis, and operational guidance.

Al-Adaptive Operation Modes

- Intelligent Charging/Discharging Strategy: Dynamically optimizes cycles based on load forecasting and battery health monitoring to extend the lifespan of energy storage systems;
- Weather Optimization Algorithm: Integrates real-time meteorological data to automatically adjust energy dispatch (e.g., solar-storage coordination), ensuring system stability during extreme weather conditions.

For APP Download





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