

2026/
US SERIES



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LU X POWER^{TEK}



YOUR RELIABLE
ENERGY SOLUTION
PARTNER

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V2605

LU X POWER^{TEK}

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 350,000 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.



CATALOGUE

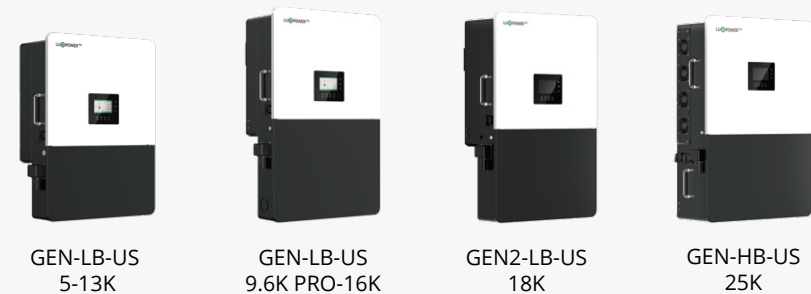
LEADING THE SMART ENERGY TRANSITION



HYBRID SERIES

● SPLIT-PHASE

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● THREE-PHASE

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OFF-GRID SERIES

● SPLIT-PHASE

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● SINGLE-PHASE

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Smart Energy Integration Hub

● PowerHub

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ALL-IN-ONE

● EcoNex

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HYBRID SERIES



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

Advanced Parallel Units (Parallel Versions)

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

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

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

• Split-Phase

GEN-LB-US 5-13K
GEN-LB-US 9.6K PRO-16K
GEN2-LB-US 18K
GEN-HB-US 25K

• Three-Phase

TriP2-HB-US 6-15K
TriP2-LB-US 6-12K

HYBRID SERIES

GEN-LB-US
5-13K
(Split-Phase)



18kW
Max. PV input power



208A
Max. charge/discharge current



10
Units parallel

- ◆ Peak shaving function
 - ◆ Auto start/stop, works with battery and PV for load support
- ◆ Remote monitoring & AI optimization
 - ◆ AC coupling function to retrofit the existing grid-tied system

Model	GEN-LB-US 5K		GEN-LB-US 8K		GEN-LB-US 10K		GEN-LB-US 13K	
Input (PV DC)								
Max. PV array power (W)	12000		19000		21000		21000	
Max. PV input power (W)	10000		16000		18000		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)	104		167		208		208	
Max. charging / discharging power (W)	5000		8000		10000		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)	20.8A@240V/ 24A@208V		33.3A@240V/ 38.5A@208V		41.6A@240V/ 48A@208V		54	
Rated AC output power with PV (W)	5000		8000		10000		13000@240V/11200@208V	
Max. AC input current (A)	63							
THDI	< 3%							
Max. continuous AC passthrough current (A)	90							
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)	5000		8000		10000		10000	
Rated output voltage (V)	120 / 240 ; 120 / 208							
Rated output current (A)	20.8A@240V/ 24A@208V		33.3A@240V/ 38.5A@208V		41.6A@240V/ 48A@208V		41.6A@240V/ 48A@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								
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	Touch color screen, RS485 / Wi-Fi / CAN							
Warranty	5 / 10 years							
Cooling method	Smart Cooling							
Topology on AC / Battery side	Transformerless / Transformer							
Max. operating altitude (m)	4000, > 2000 Derating							

HYBRID SERIES

GEN-LB-US
9.6K PRO-16K
(Split-Phase)



21kW
Max. PV input power



200A
Grid passthrough current



10
Units parallel

- ◆ Peak shaving function
 - ◆ Auto start/stop, works with battery and PV for load support
- ◆ Remote monitoring & AI optimization
 - ◆ AC coupling function to retrofit the existing grid-tied system

Model	GEN-LB-US 9.6K PRO		GEN-LB-US 12K PRO		GEN-LB-US 13K PRO		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					3 / (2:2:1)			
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 / 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								
Rated AC voltage (V)					120 / 240 ; 120 / 208			
Rated AC frequency (Hz)					50 / 60			
Rated AC output current with PV (A)	40A@240V / 46A@208V		50A@240V / 57.7A@208V		54A@240V / 62.5A@208V		66.7(PV+BAT)	
Rated AC output power with PV (W)	9600		12000		13000		16000@240V / 13800@208V	
Max. AC input current (A)					200			
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			
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)					50A@240V / 57.7A@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					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			
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					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					Touch color screen, RS485 / Wi-Fi / CAN			
Warranty					5 / 10 years			
Cooling method					Smart Cooling			
Topology on AC / Battery side					Transformerless / Transformer			
Max. operating altitude (m)					4000, > 2000 Derating			
Standards & Certification								

HYBRID SERIES

GEN2-LB-US
18K
(Split-Phase)



26kW

Max. PV input power



315A

Max. charge/discharge current



18/14kW

Grid/backup output power

- ◆ Peak shaving function
- ◆ Remote monitoring & AI optimization
- ◆ 200A grid passthrough for whole home backup
- ◆ Support up to 10 units in parallel for on/off grid

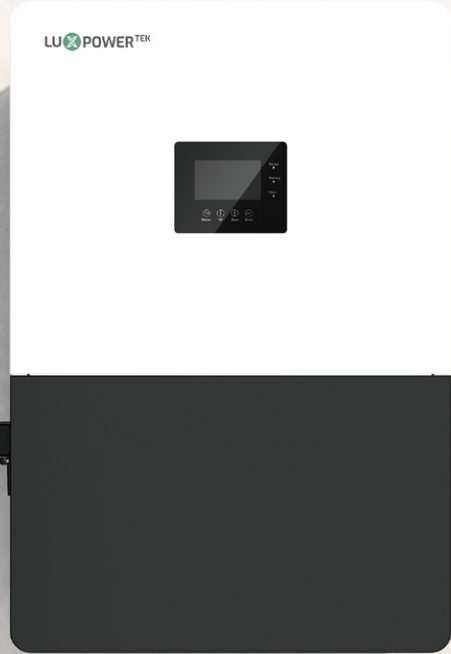
Model	GEN2-LB-US 18K
Input (PV DC)	
Max. PV array power (W)	29000
Max. PV input power (W)	26000
Rated PV input voltage (V)	360
Number of independent MPPT inputs	3 / (2:2:1)
Max. PV input voltage (V)	550
MPPT voltage range (V)	120 ~ 440
Start-up voltage (V)	100
Max. PV input current per MPPT (A)	34 / 34 / 17
Max. PV short-circuit current input per MPPT (A)	40 / 40 / 20
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40 ~ 60
Max. charging/discharging current (A)	315
Max. charging/discharging power (W)	15000
Force wake up battery from PV / Grid / GEN function	YES
Grid	
Rated AC voltage (V)	120 / 240 ; 120 / 208
Rated AC frequency (Hz)	50 / 60
Rated AC output current (A)	75
Rated AC output power (W)	18000@240V / 15600@208V
Max. AC input current (A)	200
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
Max. GEN input current (A)	90
Rated GEN input power (W)	15000
UPS	
Rated output power (W)	14000@240V ; 12100@208V
Rated output voltage (V)	120 / 240 ; 120 / 208
Rated output current (A)	58.3
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	96.7%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current 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	200A × 2
General	
Dimensions (W × H × D)	566 × 893 × 285 mm / 22.3 × 35.2 × 11.2 in
Weight	56.7 kg / 125 lbs
Ingress protection rating	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
Topology on AC / Battery side	Transformerless / Transformer
Max. operating altitude (m)	4000, > 2000 Derating
Standards & Certification	
UL 1741SA, UL 1741SB, CSA C22.2, CEC, FCC Part15B, IEEE 1547.1, HECO SRD V2.0	

HYBRID SERIES

GEN-HB-US
25K

(Split-Phase)

(High Voltage)



48kW

Max. PV input power



200A

Backup output current



25kW

120/240V output power

◆ Working with high-voltage battery

◆ Support up to 6 units in parallel

◆ Optimized for small C&I and high energy demand households

Model	GEN-HB-US 25K
Input (PV DC)	
Max. PV input power (W)	48000
Rated PV input voltage (V)	360
Number of independent MPPT inputs	6 (A:2 / B:2 / C:1 / D:1 / E:1 / F:1)
Max. PV input voltage (V)	550
MPPT voltage range (V)	120 ~ 480
Start-up voltage (V)	120
Max. PV input current per MPPT (A)	34 / 34 / 17 / 17 / 17 / 17
Max. PV short-circuit current input per MPPT (A)	50 / 50 / 30 / 30 / 30 / 30
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
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	YES
Grid	
Rated AC voltage (V)	120 / 240, 120 / 208
Rated AC frequency (Hz)	50 / 60
Rated AC output current (A)	104
Rated AC output power (W)	25000
Max. AC input current (A)	160
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDI	< 5%
Max. continuous AC passthrough current (A)	104A / Split ; Bypass 200A
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	96.6%
Max. charge / discharge efficiency	96.0%
CEC efficiency	96.5%
Protection	
Anti-islanding protection	YES
AC short-circuit protection	YES
Leakage current protection	YES
Grid monitoring	YES
PV DC switch	YES
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 × H × D)	626 × 924 × 285 mm / 24.7 × 36.4 × 11.2 in
Weight	73 kg / 160.94 lbs
Ingress protection rating	IP65
Display	LCD
Topology	Tranformerless
Ambient temperature range	-25 ~ 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)	4000, > 2000 Derating
Noise emission (dB)	< 55
Communication from Inverter	SunSpec Modbus RTU over RS485, RJ45 for ext Wifi Dongle
Standards & Certification	
UL 1741SA, UL 1741SB, CSA C22.2, CEC, IEEE 1547.1, HECO SRD V2.0, IEEE 2030.5, FCC Part 15B, ANSI C63.4-2014, UL 1998, UL 1699B, E5000	

HYBRID SERIES

TriP2-LB-US
6-12K
(Three-Phase)

Low Voltage



18kW
Max. PV input power



48V
Low-voltage
battery system



120/208V
Three-phase output

- ◆ 150% unbalanced output, up to 6kW on a single phase
- ◆ Support independent grid export control for each phase

- ◆ Time of use, 8 time periods for charging & discharging

Model	TriP2-LB-US 6K	TriP2-LB-US 8K	TriP2-LB-US 10K	TriP2-LB-US 12K
Input (PV DC)				
Max. PV input power (W)	9000	12000	15000	18000
Rated PV input voltage (V)	550			
Number of independent MPPT inputs	3 / (1:1:1)			
Max. PV input voltage (V)	650			
MPPT voltage range (V)	200 ~ 600			
Start-up voltage (V)	100			
Max. PV input current per MPPT	20 / 20 / 20			
Max. PV short-circuit current input per MPPT (A)	25 / 25 / 25			
Battery				
Compatible battery type	Lithium-ion / Lead-Acid			
Battery voltage range (V)	40-60			
Max. charging / discharging current (A)	150	200	220	250
Max. charging / discharging power (W)	6000	8000	10000	12000
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
Grid				
Rated AC voltage (V)	3L / N / PE, 120 / 208Vac			
Rated AC frequency (Hz)	50 / 60			
Rated AC output power (W)	6000	8000	10000	12000
Rated AC output current (A)	16.7	22.2	27.8	33.3
Max. AC input current (A)	50			
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)			
THDI	< 3%			
Max. continuous AC passthrough current (A)	30		50	
GEN				
Rated GEN voltage (V)	3L / N / PE, 120 / 208Vac			
Rated GEN frequency (Hz)	50 / 60			
Rated GEN input current (A)	30			
Rated GEN input power (W)	10800			
UPS				
Rated output power (W)	6000	8000	10000	12000
Rated output voltage (V)	3L / N / PE, 120 / 208Vac			
Rated output current (A)	16.7	22.2	27.8	33.3
Rated output frequency (Hz)	50 / 60			
Surge power, duration	1.5 × rated power for 5min			
Switching time	10ms			
Wave form	Sine wave			
THDV	< 3%			
Efficiency				
Max. efficiency	97.2%	97.3%	97.4%	
Max. charge / discharge efficiency	97.1%	97.2%		
Protection				
PV reverse polarity protection	YES			
PV insulation detection	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	53 kg / 116.85 lbs			
Ingress protection rating	IP66			
Operating environment temperature range (°C)	-25 ~ +60, >45°C derating			
Storage temperature range (°C)	-25 ~ +60			
Relative humidity	0 ~ 100%			
Display & Communication interface	Touch color screen, RS485/Wifi/CAN			
Warranty	5 / 10 years			
Cooling method	Smart cooling			
Topology on AC / Battery side	Transformerless / Transformer			
Max. operating altitude (m)	4000, > 2000 Derating			
Noise emission (dB)	< 50			
Standards & Certification				

HYBRID SERIES

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

High Voltage



22.5kW
Max. PV input power



15kW
Max. UPS output power



100~600V
Battery voltage

- ◆ 150% unbalanced output, up to 7.5kW on a single phase
- ◆ Support up to 10 units in parallel

- ◆ Dedicated port for Generator, Smart load and AC coupling

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)	550				
Number of independent MPPT inputs	3 / (2:2:2)				
Max. PV input voltage (V)	650				
MPPT voltage range (V)	200 ~ 600				
Start-up voltage (V)	100				
Max. PV input current per MPPT (A)	40 / 40 / 40				
Max. PV short-circuit current input per MPPT (A)	50 / 50 / 50				
Battery					
Compatible battery type	Lithium-ion / Lead-Acid				
Rated battery voltage (V)	400				
Battery voltage range (V)	100 ~ 600				
Max. charging voltage (V)	600				
Max. charging / discharging current (A)	75				
Max. charging / discharging power (W)	6000	8000	10000	12000	15000
Force wake up battery from PV function	YES				
Grid					
Rated AC voltage (V)	3L / 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 (Adjustable from 0.8 leading to 0.8 lagging)				
THDI	< 3%				
Max. continuous AC passthrough current (A)	75				
GEN					
Rated GEN voltage (V)	3L / N / PE, 120 / 208Vac				
Rated GEN frequency (Hz)	50 / 60				
Rated GEN input current (A)	30				
Rated GEN input power (W)	10800				
UPS					
Rated output power (W)	6000	8000	10000	12000	15000
Rated output voltage (V)	3L / 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 × rated power for 5min				
Switching time	10ms				
Wave form	Sine wave				
THDV	< 3%				
Efficiency					
Max. efficiency	97.2%	97.3%	97.4%		97.5%
Max. charge / discharge efficiency	97.1%	97.2%			97.3%
Protection					
PV reverse polarity protection	YES				
Battery reverse polarity protection	YES				
PV insulation detection	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 × 257 mm / 18.9 × 27.7 × 10.1 in				
Weight	50 kg / 110.2 lbs				
Ingress protection rating	IP65				
Operating environment temperature range (°C)	-25 ~ 60				
Storage temperature range (°C)	-40 ~ 70				
Relative humidity	0 ~ 100%				
Display & Communication interface	Touch color screen, RS485/Wifi/CAN				
Warranty	5 / 10 years				
Cooling method	Smart cooling				
Topology	Transformerless				
Max. operating altitude (m)	4000, > 2000 Derating				
Noise emission (dB)	< 50				
Standards & Certification					
IEC62116, IEC61727					

ECO HYBRID/OFF-GRID

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.

- SNA US 6K
- SNA US 7.5-15K
- SNA PRO-US 4.5K-120
- SNA2 US 6K
- SNA US 3K-120
- GETA-LB-US 3K/24V-120
- GETA-LB-US 4.5K-120



OUR CORE FEATURES

Up to 16 Units in Parallel

Seamless expansion for larger energy demands-ideal for homes, farms, and small commercial projects.

Flexible Three-Phase System via Parallel Connection

Easily configure multiple units to form a three-phase system, adapting to various power needs with dynamic load balancing.

Dedicated Generator Input

Smart backup power- connect generators for extra energy security in any situation.

500V High Voltage PV Input

More solar, more power! Maximize efficiency and reduce energy loss with high-voltage PV integration.

OTA (Over-the-Air) Remote Firmware Updates

Keep your system up to date effortlessly with wireless firmware upgrades, ensuring optimal performance and new feature enhancements without on-site service.

Scalable Battery Compatibility

Supports various battery types and capacities, giving you the freedom to build a system that fits your needs.

ECO HYBRID *

SNA US
6K
(Split-Phase)



8kW

Max. PV input power



6kW

120/240V output power



16

Units parallel

- ◆ Off-grid seamless switching
- ◆ Breakers (Grid, Load, Gen and Battery) and PV switch are integrated
- ◆ AFCI protection integrated
- ◆ Dedicated port for generator, AC coupling or smart load management

*Available as Eco Hybrid solution in selected markets.

Model	SNA US 6K
Input (PV DC)	
Max. PV input power (W)	8000 (4000 / 4000)
Rated PV input voltage (V)	320
Number of independent MPPT inputs	2 / (1:1)
Max. PV input voltage (V)	500
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	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	38.4 ~ 60
Max. charging / discharging current (A)	125 / 140
Max. charging / discharging power (W)	6000
Force wake up battery from PV/Grid/GEN function	YES
Grid	
Rated AC voltage (V)	120 / 240 ; 120 / 208
Rated AC frequency (Hz)	50 / 60
Max. AC input current (A)	43.3A@208V / 37.5A@240V
Max. AC input power (W)	9000
Max. continuous AC passthrough current (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
UPS	
Rated output power (W)	6000
Rated output voltage (V)	120 / 240 ; 120 / 208
Rated output current (A)	28.8A@208V / 25A@240V
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 2s
Switching time	<7ms@Single / <20ms@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	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC surge protection	Type III
DC switch	YES
RSD/AFCI monitoring	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
Topology on AC / Battery side	Transformerless / Transformer
Max. operating altitude (m)	4000, > 2000 Derating
Noise emission (dB)	< 50
Standards & Certification	
CSA STD. C22.2 No.107.1, UL STD.1741,FCC Part 15B, ICES	
*Note: 115A @48VDC (AC), 125A @44VDC (AC), 125A @48VDC (PV)	

ECO HYBRID*

SNA2-US
6K
(Split-Phase)



9.6kW

Max. PV input power



6kW

120/240V output power



16

Units parallel

- ◆ Seamless Off-Grid switching
- ◆ Built-in breakers (Grid, Load, Gen and Battery) & PV switch
- ◆ Integrated RSD&AFCI&GFCI protection
- ◆ Dedicated port for Generator, Smart load and AC coupling

*Available as Eco Hybrid solution in selected markets.

Model	SNA2-US 6K
Input (PV DC)	
Max. PV input power (W)	9600 (4800/4800)
Rated PV input voltage (V)	320
Number of independent MPPT inputs	2 / (1:1)
Max. PV input voltage (V)	500
MPPT voltage range (V)	120 ~ 400
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	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	38.4 ~ 60
Max. charging/discharging current (A)	125 / 140
Max. charging/discharging power (W)	6000
Force wake up battery from PV/Grid/GEN function	YES
Grid	
Rated AC voltage (V)	120/240 ; 120/208
Rated AC frequency (Hz)	50 / 60
Max. AC input current (A)	43.3A@208V / 37.5A@240V
Max. AC input power (W)	9000
Max. continuous AC passthrough current (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
UPS	
Rated output power (W)	6000
Rated output voltage (V)	120/240 ; 120/208
Rated output current (A)	28.8A@208V / 25A@240V
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 2s
Switching time	<7ms@Single / <20ms@Parallel
Wave form	Sine wave
THDV	< 3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	94.0%
Max. charge/discharge efficiency	93.0%
Protection	
Over current/voltage protection	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC surge protection	Type III
DC switch	YES
RSD/GFCI/AFCI monitoring	YES
AC & UPS breaker (Current/Voltage)	50A / 230VAC
Battery breaker (Current/Voltage)	200A / 80VDC
GEN breaker (Current/Voltage)	50A / 230VAC
General	
Dimensions (W × H × D)	420 × 652 × 150 mm / 16.5 × 25.7 × 5.9 in
Weight	23 kg / 50.7 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
Topology on AC / Battery side	Transformerless / Transformer
Max. operating altitude (m)	4000, > 2000 Derating
Noise emission (dB)	< 50

*Note: 115A @48VDC (AC), 125A @44VDC (AC), 125A @48VDC (PV)

ECO HYBRID*

SNA US
7.5-15K
(Split-Phase)



24kW

Max. PV input power



250A

Max. charge/discharge current



16

Units parallel

- ◆ 240/120V split-phase off-grid output
 - ◆ Dual AC output ports for multiple load connections
- ◆ AFCI protection integrated
 - ◆ Dedicated GEN port with Auto-Start and GEN Boost

*Available as Eco Hybrid solution in selected markets.

Model	SNA US 7.5K	SNA US 8K	SNA US 10K	SNA US 12K	SNA US 15K
Input (PV DC)					
Max. PV input power (W)	18000 (9000 / 9000)			24000 (12000 / 12000)	
Rated PV input voltage (V)	320				
Number of independent MPPT inputs	2 / (2:2)				
Max. PV input voltage (V)	480				
MPPT voltage range (V)	120 ~ 440				
Start-up voltage (V)	100				
Max. PV input current per MPPT (A)	26 / 26			35 / 35	
Max. PV short-circuit current input per MPPT (A)	32.5 / 32.5			44 / 44	
Battery					
Compatible battery type	Lithium-ion / Lead-Acid				
Rated battery voltage (V)	48 / 51.2				
Battery voltage range (V)	46.4 ~ 60 / 38.4 ~ 60				
Max. charging / discharging current (A)	180	230		250	
Max. charging / discharging power (W)	8500	11000		12000	
Force wake up battery from PV&Grid function	YES				
Grid					
Rated AC voltage (V)	120/240 ; 120/208				
AC Start-up Voltage	90 (L-L)				
Acceptable Input Voltage Range (V)	130 ~ 280 (L-L)				
Rated AC frequency (Hz)	50 / 60				
Rated AC input current (A)	68.2A@240V	91A@240V		100A@240V	
Rated AC input power (W)	15000	20000		24000	
PF	0.99				
THDI	< 5%				
Max. continuous AC passthrough current(A)	100				
GEN					
Rated GEN voltage (V)	120/240 ; 120/208				
Rated GEN frequency (Hz)	50 / 60				
Rated GEN input current (A)	41.7	62.5			
Rated GEN input power (W)	10000	15000			
UPS					
Rated output power (W)	7500	8000	10000	12000	15000@240V (PV + BAT)
Rated output voltage (V)	120 / 240 ; 120 / 208				
Rated output current (A)	31.3A@240V	33.3A@240V	41.7A@240V	50A@240V	62.5A@240V
Rated output frequency (Hz)	50 / 60				
Surge power, duration	2 × rated power for 5s				
Switching time (UPS)	<10ms				
Wave form	Sine wave				
THDV	< 3%				
Overload protection	5s @ ≥150% of rated output power 10s @ 110%–150% of rated output power				10s@>128% of rated output power
Efficiency					
MPPT efficiency	99.0%				
Max. efficiency	93.5%				
Max. charge / discharge efficiency	93.0%				
Protection					
PV reverse polarity protection (Y/N)	YES				
Over current / voltage protection (Y/N)	YES				
AC short-circuit current protection (Y/N)	YES				
Grid monitoring (Y/N)	YES				
DC switch (Y/N)	YES				
DC surge protection	Type III				
AC surge protection	Type III				
Battery reverse polarity protection (Y/N)	YES				
RSD / AFCI monitoring (Y/N)	YES				
UPS / Battery breakers integrated	YES				
General					
Dimensions (W × H × D mm)	530 × 830 × 150 mm / 20.87 × 32.68 × 5.91 in				
Weight	47.5 kg / 104.72 lbs				
Ingress protection rating	IP20				
Operating environment temperature range(°C)	0 ~ 45				
Storage temperature range(°C)	-15 ~ 60				
Relative humidity	5% ~ 95%				
Display & Communication interface	LCD+RGB, RS485 / Wifi / CAN				
Warranty	2 years				
Cooling method	Smart cooling				
Topology on AC / Battery side	Transformerless / Transformer				
Max. operating altitude (m)	4000, > 2000 Derating				
Noise emission (dB)	< 50				
Standard & Certification					

ECO HYBRID*

SNA US
3K-120
(Single-Phase)



8kW

Max. PV input power



70A

Max. charge/discharge current



16

Units parallel

- ◆ Up to 500V PV input voltage
- ◆ 120V off-grid output

- ◆ Dedicated generator port, AC coupling or intelligent charge management

*Available as Eco Hybrid solution in selected markets.

Model	SNA US 3K-120
Input (PV DC)	
Max. PV input power (W)	8000 (4000 / 4000)
Rated PV input voltage (V)	320
Number of independent MPPT inputs	2 / (1:1)
Max. PV input voltage (V)	500
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	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	38.4 ~ 60
Max. charging / discharging current (A)	70
Max. charging / discharging power (W)	3000
Force wake up battery from PV&Grid function	YES
Grid	
Rated AC voltage (V)	120
Rated AC frequency (Hz)	50 / 60
Max. AC input current (A)	40
Max. AC input power (W)	4500
Max. continuous AC passthrough current (A)	60
GEN	
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 current (A)	25
Rated output frequency (Hz)	50 / 60
Surge power, duration	2 × rated power for 2s
Switching time	<10ms@Single / <20ms@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	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC surge protection	Type III
Battery reverse polarity protection	YES
DC switch	YES
PV arc fault detection	YES
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	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 on AC / Battery side	Transformerless / Transformer
Max. operating altitude (m)	4000, > 2000 Derating
Noise emission (dB)	< 50
Standards & Certification	
CSA STD. C22.2 No.107.1, UL STD.1741,FCC Part 15B, ICES	

ECO HYBRID*

SNA PRO-US
4.5K-120
(Single-Phase)



120V
AC input/output voltage



IP66
Protection rating



16
Units parallel

- ◆ Smart cooling for quieter operation
 - ◆ Dedicated GEN / Smart Load / AC coupling port
- ◆ Comprehensive protection for safe operation
 - ◆ Smart monitoring via LuxCloud

*Available as Eco Hybrid solution in selected markets.

Model	SNA PRO-US 4.5K-120
Input (PV DC)	
Max. PV array power (W)	12000 (6000/6000)
Max. PV input power (W)	9000 (4500/4500)
Rated PV input voltage (V)	310
Number of independent MPPT inputs	2
Max. PV input voltage (V)	500
MPPT voltage range (V)	80 ~ 400
Start-up voltage (V)	80
Max. PV input current per MPPT (A)	20 / 20
Max. PV short-circuit current input per MPPT (A)	25 / 25
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	38.4 ~ 60
Max. charging / discharging current (A)	94 / 100
Max. charging / discharging power (W)	4500 / 4800
Force wake up battery from PV&Grid function	YES
Grid	
Rated AC voltage (V)	120
Rated AC frequency (Hz)	50 / 60
Max. AC input current (A)	85-140VAC(For Personal Computer); 45-140VAC(For Home Appliances)
AC voltage range (V)	55
Max. AC input power (W)	6600
Max. continuous AC passthrough current (A)	55
GEN	
Rated GEN voltage (V)	120
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	55
Rated GEN input power (W)	6600
UPS	
Rated output power (W)	4500
Rated output voltage (V)	120
Rated output current (A)	37.5
Rated output frequency (Hz)	50 / 60
Surge power, duration	9000W, 5s
Switching time	< 15ms @ Single ; < 30ms @ Parallel
Wave form	Sine wave
THDV	< 3%
Efficiency	
MPPT efficiency	99.0%
Max. efficiency	96.0%
Max. charge efficiency	96.0%
Max. discharge efficiency	94.0%
Protection	
Over current/voltage protection	YES
Anti-islanding protection	YES
AC short-circuit current protection	YES
Grid monitoring	YES
Residual current monitoring	YES
Arc fault circuit linterrupter	Optional
AC / DC surge protection	Type II
PV switch	YES
General	
Dimensions (W × H × D)	384 × 434 × 187 mm / 15.12 × 17.09 × 7.36 in
Weight	16.95 kg / 37.38 lbs
Ingress protection rating	IP66
Operating environment temperature range (°C)	-25 ~ 60, >45°C derating
Storage temperature range (°C)	-40 ~ 65
Relative humidity	5% ~ 95%
Display & Communication interface	LCD + LED, RS485 / Wi-Fi / CAN
Warranty	5 years
Cooling method	Smart Cooling
Topology on AC / Battery side	Transformerless / Transformer
Max. operating altitude (m)	4000, >2000 Power derating
Noise emission (dB)	< 40

OFF-GRID

GETA-LB-US 3K/24V-120
GETA-LB-US 4.5K-120
(Single-Phase)



500V

Max. PV input voltage



140A

Max. discharge current



24/7

Real-time monitoring

- ◆ Flexible modes for diverse energy needs

◆ Dual outputs for intelligent load management
- ◆ Battery activation via PV and utility grid

◆ EQ for improved battery performance and lifespan

Model	GETA-LB-US 3K/24V-120	GETA-LB-US 4.5K-120
Input (PV DC)		
Max. PV array power (W)	4000	8000 (4000/4000)
Number of independent MPPT inputs	1	2 (1:1)
Max. PV input voltage (V)	500	
MPPT voltage range (V)	55 ~ 440	
Start-up voltage (V)	65	
Max. PV input current per MPPT (A)	18	18 / 18
Max. Short-circuit current per MPPT (A)	20	20 / 20
Battery		
Compatible battery type	Lithium-ion / Lead-acid	
Rated battery voltage (V)	24	48
Max. PV charge current (A)	100	80
Max. AC charge current (A)	100	80
Max. PV+AC charge current (A)	100	80
Max. discharging current (A)	140	90
Force wake up battery from PV&Grid function	YES	
Grid		
Rated AC voltage (V)	120	
AC voltage range (V)	85-140VAC (For Personal Computer) ; 45-140VAC (For Home Appliances)	
Rated AC frequency (Hz)	50 / 60	
Max. AC input power (W)	4500	6000
PF	0.99	
THDI	< 3%	
GEN		
Rated GEN voltage (V)	120	
Rated GEN frequency (Hz)	50 / 60	
Rated GEN input current (A)	25	80
Rated GEN input power (W)	3000	4500
UPS		
Rated output power (W)	3000	4500
Rated output voltage (V)	120VAC + 5%	
Rated output current (A)	25	37.5
Rated output frequency (Hz)	50 / 60	
Output port	Dual outputs	
Surge power, duration	2 × rated power for 2s	
Switching time (UPS)	10ms	
Wave form	Sine wave	
THDV	< 3%	
Overload protection	5s@≥150% of rated output power; 10s@110%~150% of rated output power	
Efficiency		
MPPT efficiency	99.0%	
Max. charge efficiency	96.0%	
Max. discharge efficiency	91.0%	93.0%
Protection		
Battery reverse polarity protection	YES	
Over current / voltage protection	YES	
AC short-circuit current protection	YES	
DC surge protection	Type III	
AC surge protection	Type III	
General		
Dimensions (W × H × D)	307 × 418 × 112 mm / 12.1 × 16.5 × 4.4 in	307 × 482 × 124 mm / 12.1 × 19.0 × 4.9 in
Weight	7.5 kg / 16.5 lbs	10 kg / 22.1 lbs
Ingress protection rating	IP21	
Relative humidity	5% ~ 95%	
Operating environment temperature range (°C)	-10 ~ 55 (> 40 °C Derating)	
Storage temperature range (°C)	-10 ~ 55	
Display & Communication interface	LCD + LED; WIFI	
Warranty	1.5 years	
Cooling method	Smart Cooling	
Max. operating altitude (m)	4000, > 2000 Derating	

Smart Energy Integration Hub

PowerHub

200A
Max. current

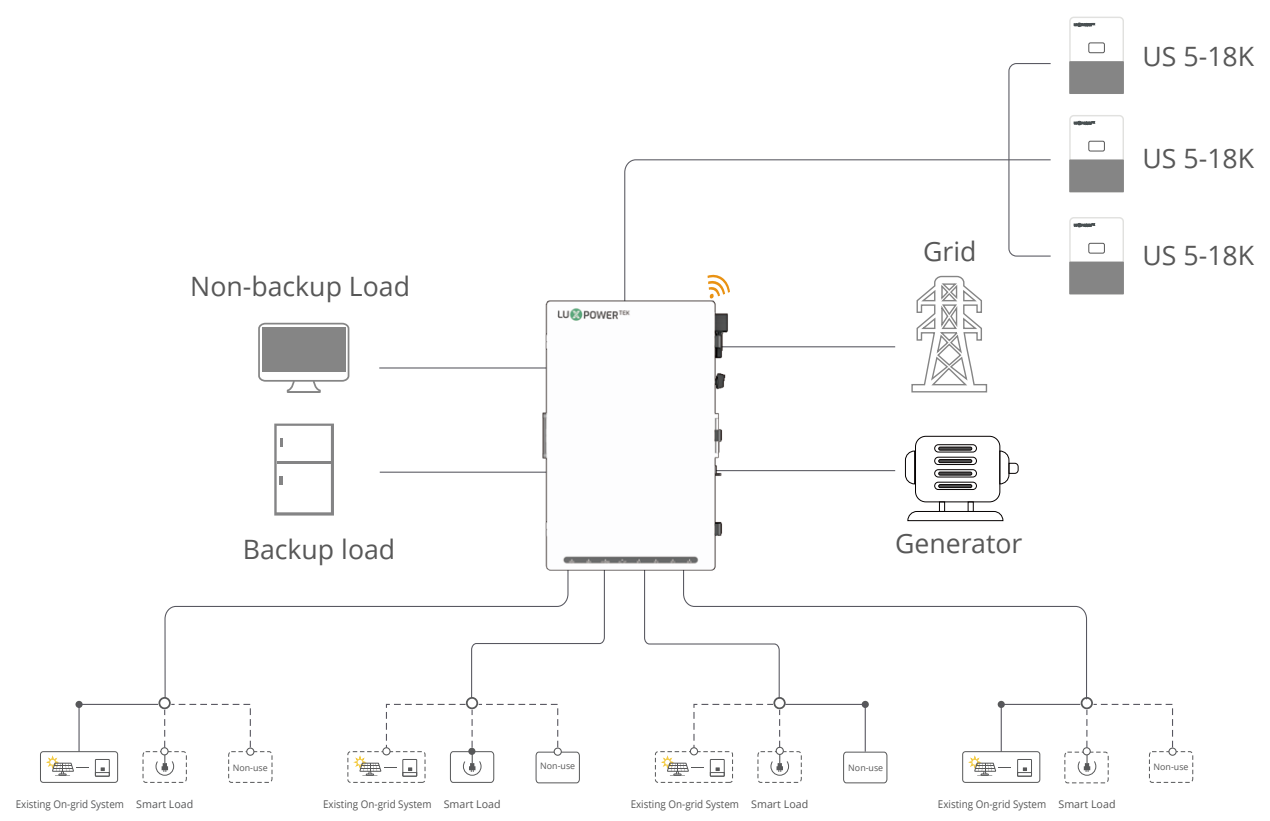
4
Smart ports

NEMA 3R
Protection rating



- Centralized control of grid, PV, generator, loads
- Multi-source management for higher reliability
- Seamless transition from grid to backup power

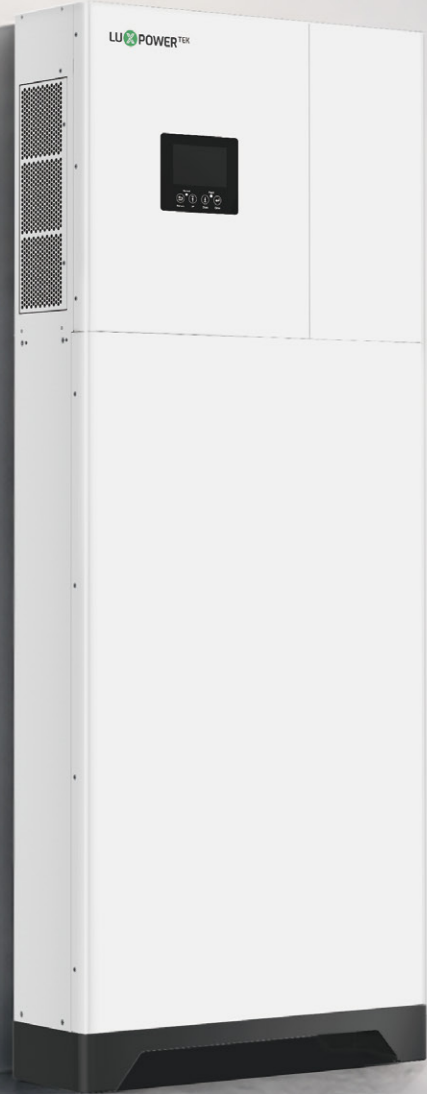
Model	PowerHub	
Port Name	Port Qty	Max. Current
For Hybrid Inverter	3	90
For Smart load	4	125
		80
		60
		60
For Backup load	1	200
For Non-backup load	1	200
For Generator	1	125
For Grid	1	200
General Data		
Operating ambient temperature range	-40°C to 60°C (-40°F to 140°F)	
Max. operating altitude	2000 m (6561 ft)	
Relative humidity	0 ~ 100%	
Outdoor rating	NEMA 3R	
Dimensions	500 × 800 × 180 mm / 19.7 × 31.5 × 7.1 in	
Weight	25 kg / 55 lbs	
Mounting	Wall-mounted	
Standards & Certification		
UL1741, CSA22.2, UL869A, UL67, UL916, FCC Part 15 Class B, ICES		



ALL-IN-ONE SERIES

Your Home, Powered by Intelligence.

Modular · Intelligent · Safe



True Integration.
Scalable Energy.



Seamless 7ms Backup.
Power Uninterrupted.



Smart Cloud Monitoring.
Real-Time Diagnostics.

ALL-IN-ONE

EcoNex (10kWh / 16kWh optional)
(Split-Phase)



9.6/6kW

PV input/AC output power



125/140A

Max. charge/discharge current



<7ms

Seamless switching



- ◆ 2× surge power (5s)
 - ◆ Pure sine wave, stable backup power
 - ◆ PV/Grid/Generator input
 - ◆ 10 kWh/16 kWh integrated battery options
- ◆ 93% system efficiency
 - ◆ AC surge protection & grid monitoring
 - ◆ Full system visibility in real time
 - ◆ Remote control and upgrade via LuxCloud

INVERTER MODULE		EcoNex 6
Input (PV DC)		
Max. PV input power (W)		9600 (4800 / 4800)
Rated PV input voltage (V)		320
Number of independent MPPT inputs		2
Max. PV input voltage (V)		500
MPPT voltage range (V)		120 ~ 400
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
Max. PV charging current (A)		125A @48VDC
AC Output (Backup)		
Output voltage waveform		Pure sine wave
Output voltage regulation (V)		120/240 ; 120/208
Output frequency (Hz)		50 / 60
Rated output power (W)		6000
Rated output current (A)		28.8A@208Vac / 25A@240Vac
Switching time		<7ms@Single / <20ms@Parallel
Wave form		5s@≥150% load ; 10s@110%~150% load
Surge power		2 × rated power for 5s
THDI		< 3%
AC Input		
Rated input voltage (V)		120/240 ; 120/208
Rated input frequency (Hz)		50 / 60
Max. AC input current (A)		43.3A@208V / 37.5A@240V
Max. AC input power (W)		9000
Max. AC charging current (A)		115A @48VDC
Max. continuous AC passthrough current (A)		40
GEN		
Rated GEN voltage (V)		120/240 ; 120/208
Rated GEN frequency (Hz)		50 / 60
Rated GEN input current (A)		32
Rated GEN input power (W)		7370
Efficiency		
Max. efficiency		94.0%
Max. charge / discharge efficiency		94.0%
Protection		
Over current / voltage protection		YES
AC short-circuit current protection		YES
Grid monitoring		YES
AC Surge protection		Type III
DC switch		YES
RSD/GFCI/AFCI monitoring		YES
AC & UPS breaker (Current/Voltage)		50A / 230VAC
Battery breaker (Current/Voltage)		200A / 80VDC
GEN breaker (Current/Voltage)		50A / 230VAC
General Specifications		
Inverter module weight		TBD
Inverter module dimension (W × H × D)		580 × 450 × 175 mm / 22.8 × 17.7 × 6.89 in
Ingress protection rating		IP20
Display & Communication interface		LCD + LED, RS485 / Wi-Fi / CAN
Cooling method		Smart cooling
Topology on AC / Battery side		Transformerless / Transformer
Noise emission (dB)		< 50
Operating temperature range (°C)		0 ~ 50
Storage temperature (°C)		-15 ~ 60
Humidity		5% to 95% Relative Humidity (Non-condensing)
Max. operating altitude (m)		4000, > 2000 Derating

BATTERY MODULE	Beast 10	Beast 16
Battery module voltage (V)	45.6-58.4	38.4-60
Number of modules per inverter		1
Battery energy (kWh)	10.5	16
Rated voltage (V)		51.2
Rated capacity (Ah)	205	314
Battery type		Lithium-ion
Max. discharging current (A)		140
Max. charging current (A)		140
Battery module weight	TBD	98 kg / 216.1 lbs
Battery module dimension (W × H × D)		580 × 950 × 175 mm / 22.8 × 37.4 × 6.89 in
Standard		UN38.3 ; CE

MONITORING APP/WEB

LUXCLOUD 2.0 MONITORING PLATFORM

LuxCloud is LuxpowerTek's intelligent monitoring and control platform for residential and small-commercial energy storage systems. It provides clear system visibility, smart optimization, and powerful tools for every users.



For APP
Download



Android



IOS

Real-Time System Overview

Visualizes energy flow from PV, battery, load, and grid with clear dashboards and status indicators.

Smart Control & Settings

Enables quick configuration of operating modes, charge/discharge rules, export limits, and generator control.

AI-Adaptive Optimization

Uses weather forecasting and load analysis to automatically adjust energy dispatch and extend battery life.

LuxBot AI Assistance

Offers 24/7 multilingual support for troubleshooting, device diagnostics, and operational guidance.

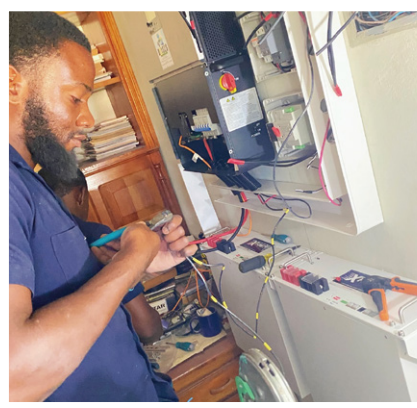
Cross-Platform Access

Available on mobile app and web, ensuring easy monitoring and management anytime, anywhere.

User & Service Provider Modes

End users get simplified energy insights; Service Provider gain access to advanced diagnostics, parameter settings, and remote maintenance tools

2017
|
2026



LuxpowerTek energy storage systems are widely adopted worldwide, providing stable and efficient solutions for homes and businesses. The smart monitoring system enables remote management, ensuring users can optimize energy usage anytime. With reliable performance and professional support, LuxpowerTek empowers customers toward a sustainable energy future.