

# YOUR RELIABLE ENERGY SOLUTION PARTNER



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2026/  
EU SERIES

# MARKET LAYOUT



**350,000+**  
Systems

**30kW**  
Max.Power

**100+**  
Country operations

**100%**  
Service coverage



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.

# LuxpowerTek Home Energy Solutions

Smart · Reliable · Complete Power for Every Home

LuxpowerTek delivers an integrated home energy system that links solar power, batteries, inverters, and LuxCloud 2.0 for seamless control and higher self-consumption.

## •Solar Power Generation

Rooftop PV captures solar energy and feeds it to LuxpowerTek inverters for smart conversion and distribution.

## •LuxCloud 2.0 Monitoring

Real-time energy flow, battery status, yield, backup time, carbon savings, and remote control—powered by LuxBot AI.

## •Smart Load Management

Dedicated backup/smart load ports keep essential appliances running during outages.

## •Generator & AC-Coupling Support

Supports generator auto-start and AC-coupling with existing solar systems to expand backup capability.

## •Hybrid / Off-Grid Inverters

LuxpowerTek inverters optimize energy use — prioritizing solar, charging batteries, powering home loads, and managing grid interaction.

## •Battery Energy Storage

With LuxpowerTek IP20 & IP65 batteries, store solar energy for self-use and reliable backup.



# CATALOGUE

LEADING THE SMART ENERGY TRANSITION

## HYBRID SERIES

### • SINGLE-PHASE



GEN2-LB-EU  
3-6K

P03



GEN2-LB-EU  
7-14K

P05



GEN3-LB-EU  
3-8K

P07



GEN PRO-LB-EU  
8-12K

P09

### • THREE-PHASE



TriP2-LB-3P  
5-20K

P11



TriP2-HB-3P  
6-30K

P13

## OFF-GRID SERIES

### • SINGLE-PHASE



GETA 1.5-6K

P17



SNA 3-6K

P19



SNA PRO-EU  
3-6.5K

P21



SNA-EU 12-14K

P23



SNA2-EU-LT  
10-14K

P25

## ALL-IN-ONE ESS SERIES

### • SINGLE-PHASE



Eco Beast

P29



Eco Beast Pro

P31

## AC/DC RETROFIT SERIES



ACS 3600

P35



LSP 100K

P37



# 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

## Intelligent Battery Integration

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

## Advanced Parallel Units (Parallel Versions)

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

## Key Features

- High PV input 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



### Single-Phase

- GEN2-LB-EU 3-6K
- GEN2-LB-EU 7-14K
- GEN3-LB-EU 3-8K
- GEN PRO-LB-EU 8-12K

### Three-Phase

- TriP2-LB-3P 5-20K
- TriP2-HB-3P 6-30K

## HYBRID SERIES

# GEN2-LB-EU 3-6K (Single-Phase)

- 2 MPPTs with Max. PV input of 9.6kW
- 18A Max. PV input current per MPPT
- Max. charge/discharge current: 125A/140A
- Parallel operation support: Up to 10 units for both on-grid and off-grid systems
- 24/7 real-time monitoring: Access and manage remotely
- Dedicated ports for multiple connections:
  - Generator connection
  - Smart load connection
  - AC coupling function



Model	GEN2-LB-EU 3K	GEN2-LB-EU 3.6K	GEN2-LB-EU 4K	GEN2-LB-EU 4.6K	GEN2-LB-EU 5K	GEN2-LB-EU 6K
<b>Input (PV DC)</b>						
Max. PV input power (W)	6600	7000		9000		9600
Rated PV input voltage (V)	360					
Number of independent MPPT inputs	2 / (1:1)					
Max. PV input voltage (V)	530					
MPPT voltage range (V)	150 ~ 425					
Start-up voltage (V)	100					
Max. PV input current per MPPT (A)	18 / 18					
Max. PV short-circuit current input per MPPT (A)	32 / 32					
<b>Battery</b>						
Compatible battery type	Lithium-ion / Lead-Acid					
Rated battery voltage (V)	48					
Battery voltage range (V)	40 ~ 60					
Max. charging / discharging current (A)	80 / 80	80 / 80	80 / 80	96 / 96	105 / 120	125 / 140
Max. charging / discharging power (W)	3000	3600	4000	4600	5000	6000
Force wake up battery from PV function	YES					
<b>Grid</b>						
Rated AC voltage (V)	230					
Rated AC frequency (Hz)	50 / 60					
Rated AC output current (A)	13	15.7	17.4	20	21.7	26
Rated AC output power (W)	3000	3600	4000	4600	5000	6000
Max. AC input power (W)	12000					
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)					
THDI	< 3%					
Max. continuous AC passthrough current (A)	52.2					
<b>GEN</b>						
Rated GEN voltage (V)	230					
Rated GEN frequency (Hz)	50 / 60					
Rated GEN input current (A)	40					
Rated GEN input power (W)	9200					
<b>UPS</b>						
Rated output power (W)	3000	3600	4000	4600	5000	6000
Rated output voltage (V)	230					
Rated output current (A)	13	15.7	17.4	20	21.7	26
Rated output frequency (Hz)	50 / 60					
Surge power, duration	2 × rated power for 0.5s					
Switching time (UPS)	7ms					
Wave form	Sine wave					
THDV	< 5%					
<b>Efficiency</b>						
MPPT efficiency	99.9%					
Max. efficiency	97.3%					
Max. charge / discharge efficiency	94.5%					
<b>Protection</b>						
Over current / voltage protection	YES					
Anti-islanding protection	YES					
AC short-circuit current protection	YES					
Leakage current protection	YES					
Ground fault monitoring	YES					
Grid monitoring	YES					
DC switch	YES					
DC surge protection	Type III					
AC surge protection	Type III					
<b>General</b>						
Dimensions (W × H × D)	440 × 528 × 220 mm / 17.4 × 20.8 × 8.7 in					
Weight	25 kg / 55 lbs					
Ingress protection rating	NEMA4X / IP66					
Operating environment temperature range (°C)	-25 ~ 60					
Storage temperature range (°C)	-40 ~ 65					
Relative humidity	0 ~ 100%					
Display & Communication interface	LCD + RGB, RS485 / Wi-Fi / CAN					
Warranty	5 / 10 years					
Cooling method	Natural Cooling			Smart cooling		
Topology on AC side	Transformerless					
Topology on battery side	Transformer					
Max. operating altitude (m)	2000					
Noise emission (dB)	30		40		50	
DC connection (VP-D4/MC4 (Optional))	MC4					
AC connector	YES					
<b>Standards &amp; Certification</b>						
EN 62109/EN 61000, IEC 62116, IEC 61727, IEC 61683, G100/G99/G98, PIPEREE TypeA, CEI 0-21: 2022 (V2:2024-01)						

# GEN2-LB-EU 7-14K (Single-Phase)

- 3 MPPTs with 3 strings, Max. PV input 18kW
- Max. charging and discharging current: 250A
- Supports up to 10pcs in parallel for on/off grid
- AI-Driven optimization mode for e-bill reduction
- 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



Model	GEN2-LB-EU 7K	GEN2-LB-EU 8K	GEN2-LB-EU 10K	GEN2-LB-EU 12K	GEN2-LB-EU 14K
<b>Input (PV DC)</b>					
Max. PV input power (W)	12000		15000	18000	
Rated PV input voltage (V)	340				
Number of independent MPPT inputs	3 / (1:1:1)				
Max. PV input voltage (V)	550				
MPPT voltage range (V)	120 ~ 440				
Start-up voltage (V)	100				
Max. PV input current per MPPT (A)	26 / 15 / 15				
Max. PV short-circuit current input per MPPT (A)	31 / 18 / 18				
<b>Battery</b>					
Compatible battery type	Lithium-ion / Lead-Acid				
Rated battery voltage (V)	48				
Battery voltage range (V)	40 ~ 60				
Max. charge / discharge current (A)	147	167	210	250	
Max. charge / discharge power (W)	7000	8000	10000	12000	
Force wake up battery from PV function	YES				
<b>Grid</b>					
Rated AC voltage (V)	230				
Rated AC frequency (Hz)	50 / 60				
Rated AC output current (A)	30.5	35	43.5	52	61
Rated AC output power (W)	7000	8000	10000	12000	14000
Acceptable input voltage range (V)	180 ~ 270				
Max. AC input current (A)	100				
Max. AC input power (W)	18000				
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)				
THDI	< 5%				
Max continuous AC passthrough current (A)	100				
<b>GEN</b>					
Rated GEN voltage (V)	230				
Rated GEN frequency (Hz)	50 / 60				
Rated GEN input current (A)	80				
Rated GEN input power (W)	18000				
<b>UPS</b>					
Rated output power (W)	7000@230V	8000@230V	10000@230V	12000@230V	
Rated output voltage (V)	230				
Rated output current (A)	30.5	35	43.5	52	
Rated output frequency (Hz)	50 / 60				
Surge power, duration	2 × rated power for 0.5s				
Switching time (UPS)	Single: 10ms / Parallel: 20ms				
Wave form	Sine wave				
THDV	< 3%				
<b>Efficiency</b>					
MPPT efficiency	99.9%				
Max. charge / discharge efficiency	95.0%				
<b>Protection</b>					
Over current / voltage protection	YES				
AC short-circuit current protection	YES				
Grid monitoring	YES				
DC switch	YES				
AC / DC surge protection	Type III				
<b>General</b>					
Dimensions (W × H × D)	566 × 653 × 275 mm / 22.3 × 25.7 × 10.8 in				
Weight	48 kg / 105.8 lbs				
Ingress protection rating	IP66				
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 / Wifi / CAN				
Warranty	5 / 10 years				
Cooling method	Smart cooling				
Topology on AC / battery side	Transformerless / Transformer				
Max. operating altitude (m)	2000				
Noise emission (dB)	55				
<b>Standard &amp; Certification</b>					
PTPIREE TypeA, EN 62109-1/EN 61000, G100/G99					

# GEN3-LB-EU 3-8K (Single-Phase)

- Next-generation internal structure optimization for easier handling and installation.
- Supports up to 12kW PV input with 2 independent MPPTs for enhanced energy generation efficiency.
- Up to 180A charge/discharge current to maximize battery potential.
- IP66 protection rating for reliable performance in outdoor environments.
- Built-in Type II AC/DC surge protection for enhanced system safety.
- Supports up to 16 units in parallel.



Model	GEN3-LB-EU 3K	GEN3-LB-EU 3.6K	GEN3-LB-EU 4K	GEN3-LB-EU 4.6K	GEN3-LB-EU 5K	GEN3-LB-EU 6K	GEN3-LB-EU 6.5K	GEN3-LB-EU 7K	GEN3-LB-EU 8K
<b>Input (PV DC)</b>									
Max. PV input power (W)	6600	7000	7000	8000	8000	12000			
Rated PV input voltage (V)	360								
Number of independent MPPT inputs	2 / (1:1)								
Max. PV input voltage (V)	530								
MPPT voltage range (V)	150 ~ 425								
Start-up voltage (V)	140								
Max. PV input current per MPPT (A)	20 / 20								
Max. PV short-circuit current input per MPPT (A)	32 / 32								
<b>Battery</b>									
Compatible battery type	Lithium-ion / Lead-Acid								
Rated battery voltage (V)	48								
Battery voltage range (V)	40 ~ 60								
Max. charge / discharge current (A)	80	80	80	95	120	125	135	147	180
Max. charge / discharge power (W)	3600	3600	4000	4600	5000	6000	6500	7000	8000
Force wake up battery from PV and GEN function	YES								
<b>Grid</b>									
Rated AC voltage (V)	230								
Rated AC frequency (Hz)	50 / 60								
Rated AC output current (A)	13	16	20	25	21.7	26	28.2	30.5	34.7
Rated AC output power (W)	3000	3600	4000	4600	5000	6000	6500	7000	8000
Max. AC input current (A)	52								
Max. AC input power (W)	12000								
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)								
THDI	< 3%								
Max continuous AC passthrough current (A)	52								
<b>GEN</b>									
Rated GEN voltage (V)	230								
Rated GEN frequency (Hz)	50 / 60								
Rated GEN input current (A)	52								
Rated GEN input power (W)	12000								
<b>UPS</b>									
Rated output power (W)	3000	3600	4000	4600	5000	6000	6500	7000	8000
Rated output voltage (V)	230								
Rated output current (A)	13	16	20	25	21.7	26	28.2	30.5	34.7
Rated output frequency (Hz)	50 / 60								
Surge power, duration	2 × rated power for 1s								
Switching time	7ms								
Wave form	Sine wave								
THDV	< 3%								
<b>Efficiency</b>									
MPPT efficiency	99.9%								
Max. efficiency	97.0%								
Max. charge / discharge efficiency	95.0%								
<b>Protection</b>									
Over current / voltage protection	YES								
Anti-islanding protection	YES								
AC short-circuit current protection	YES								
Leakage current protection	YES								
AFCI	Optional								
Ground fault monitoring	YES								
Grid monitoring	YES								
DC switch	YES								
AC / DC surge protection	Type II								
<b>General</b>									
Dimensions (W × H × D)	416 × 538.5 × 229.5 mm / 16.38 × 21.2 × 9.04 in								
Weight	22.5 kg / 49.6 lbs								
Ingress protection rating	IP66								
Relative humidity	0 ~ 100%								
Operating environment temperature range (°C)	-25 ~ 60 °C , > 45 °C Derating								
Storage temperature range (°C)	-40 ~ 65								
Display & Communication interface	LCD, RS485, Wifi, CAN								
Warranty	5 years								
Cooling method	Smart cooling								
Topology on AC / battery side	Transformer								
Max. operating altitude (m)	2000, > 2000 Derating								
Noise emission (dB)	30							50	
<b>Standard &amp; Certification</b>									
EN62109-1/-2, EN61000, EN50549-1/-10, UNE27001/UNE27002, G99, G100									

# GEN PRO-LB-EU 8-12K(Single-Phase)

- Next-generation internal structure optimization for easier handling and installation.
- Output power from 8kW to 12kW, meeting the needs of medium to large residential energy storage systems.
- Supports up to 20kW PV input with 3 independent MPPTs for enhanced energy generation efficiency.
- Up to 270A charge/discharge current to maximize battery potential.
- IP66 protection rating for reliable performance in outdoor environments.
- Built-in Type II AC/DC surge protection for enhanced system safety.



Model	GEN PRO-LB-EU 8K	GEN PRO-LB-EU 10K	GEN PRO-LB-EU 12K
<b>Input (PV DC)</b>			
Max. PV input power (W)	16000	20000	
Rated PV input voltage (V)	360		
Number of independent MPPT inputs	3 / (1:1:1)		
Max. PV input voltage (V)	530		
MPPT voltage range (V)	150 ~ 425		
Start-up voltage (V)	140		
Max. PV input current per MPPT (A)	20		
Max. PV short-circuit current input per MPPT (A)	32		
<b>Battery</b>			
Compatible battery type	Lithium-ion / Lead-Acid		
Rated battery voltage (V)	48		
Battery voltage range (V)	48 ~ 60		
Max. charge / discharge current (A)	180	230	270
Max. charge / discharge power (W)	8000	10000	12000
Force wake up battery from PV and GEN function	YES		
<b>Grid</b>			
Rated AC voltage (V)	230		
Rated AC frequency (Hz)	50 / 60		
Rated AC output current (A)	34.7	43.5	52
Rated AC output power (W)	8000	10000	12000
Max. AC input current (A)	100		
Max. AC input power (W)	23000		
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI	< 3%		
Max continuous AC passthrough current (A)	100		
<b>GEN</b>			
Rated GEN voltage (V)	230		
Rated GEN frequency (Hz)	50 / 60		
Rated GEN input current (A)	80		
Rated GEN input power (W)	18400		
<b>UPS</b>			
Rated output power (W)	8000	10000	12000
Rated output voltage (V)	230		
Rated output current (A)	34.7	43.5	52
Rated output frequency (Hz)	50 / 60		
Surge power, duration	2 × rated power for 1s		
Switching time	7ms		
Wave form	Sine wave		
THDV	< 3%		
<b>Efficiency</b>			
MPPT efficiency	99.9%		
Max. efficiency	97.3%		
Max. charge / discharge efficiency	95.0%		
<b>Protection</b>			
Over current / voltage protection	YES		
Anti-islanding protection	YES		
AC Short-circuit current protection	YES		
Leakage current protection	YES		
AFCI	Optional		
Ground fault monitoring	YES		
Grid monitoring	YES		
DC Switch	YES		
AC / DC Surge protection	Type II		
<b>General</b>			
Dimensions (W × H × D)	417 × 615.5 × 229.5 mm / 16.42 × 24.23 × 9.04 in		
Weight	30.8 kg / 67.9 lbs		
Ingress protection rating	IP66		
Relative humidity	0 ~ 100%		
Operating environment temperature range (°C)	-25 ~ 60 °C, > 45 °C Derating		
Storage temperature range (°C)	-40 ~ 65		
Display & Communication interface	LCD, RS485, Wifi, CAN		
Warranty	5 years		
Cooling method	Smart cooling		
Topology on AC / Battery side	Transformer		
Max. Operating Altitude (m)	2000, > 2000 Derating		
Noise emission (dB)	50		
<b>Standard &amp; Certification</b>			
EN62109-1/-2, EN61000, EN50549-1/-10, UNE27001/UNE27002, G99, G100			

# TriP2-LB-3P 5-20K (Three-Phase)

- Supports three-phase unbalanced loads for greater compatibility with mixed residential or commercial applications
- Max. 3 MPPTs with 3 strings, Max. PV input: 30kW
- Compatible with 48V low-voltage battery systems
- Supports independent grid export control for each phase
- 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-3P 5K	TriP2-LB-3P 6K	TriP2-LB-3P 8K	TriP2-LB-3P 10K	TriP2-LB-3P 12K	TriP2-LB-3P 15K	TriP2-LB-3P 20K
<b>Input (PV DC)</b>							
Max. PV input power (W)	7500	9000	12000	15000	18000	22500	30000
Rated PV input voltage (V)	690						
Number of independent MPPT inputs	3 / (1:1:1)						
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 / 20						
Max. PV short-circuit current input per MPPT (A)	25 / 25 / 25						
<b>Battery</b>							
Compatible battery type	Lithium-ion / Lead-Acid						
Battery voltage range (V)	40 - 60						
Max. charging/discharging current (A)	125	150	200	220	250	250	250
Max. charging/discharging power (W)	5000	6000	8000	10000	12000	12000	12000
Charging Strategy for Li-ion Battery	Self-adaption to BMS						
<b>Grid</b>							
Rated AC voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac						
Rated AC frequency (Hz)	50 / 60						
Rated AC output power (W)	5000	6000	8000	10000	12000	15000	20000
Rated AC output current (A)	7.6 / 7.2	9.1 / 8.7	12.1 / 11.6	15.2 / 14.5	18.2 / 17.4	22.7 / 21.7	30.3 / 29.0
Max. AC input current (A)	9	10.9	14.5	18.1	21.8	27.1	36.25
Max. output apparent power (VA)	5000	6000	8000	10000	12000	15000	20000
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)						
THDI	< 3%						
Max. continuous AC passthrough current (A)	30			50			70
<b>GEN</b>							
Rated GEN voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac						
Rated GEN frequency (Hz)	50/60						
Rated GEN input current (A)	30						
Rated GEN input power (W)	20700						
<b>UPS</b>							
Rated output power (W)	5000	6000	8000	10000	12000	15000(PV+Battery)	20000(PV+Battery)
Rated output voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac						
Rated output current (A)	7.6 / 7.2	9.1 / 8.7	12.1 / 11.6	15.2 / 14.5	18.2 / 17.4	22.7 / 21.7	30.3 / 29.0
Rated output frequency (Hz)	50 / 60						
Surge power, duration	1.5 × rated power for 5min						
Switching time	≤10ms						
Wave form	Sine wave						
THDV	< 3%						
<b>Efficiency</b>							
Max. efficiency	97.7%						
Max. charge/discharge efficiency	94.0%						
<b>Protection</b>							
PV reverse polarity protection	YES						
Over current/voltage protection	YES						
Anti-islanding protection	YES						
AC Short-circuit protection	YES						
Leakage current protection	YES						
Grid monitoring	YES						
DC switch	YES						
Ingress protection	YES						
DC Surge protection	Type III						
AC Surge protection	Type III						
<b>General</b>							
Dimensions (W × H × D)	480 × 703 × 258mm / 18.9 × 27.7 × 10.2 in						
Weight	53 kg / 116.8 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	Transformerless						
Max. Operating Altitude (m)	2000						
Noise emission (dB)	50						
<b>Standards &amp; Certification</b>							
EN 62109 / EN 61000, IEC 61683, EN 50549-10, PTPIREE TypeA, G99, G100, IEC62116, IEC61727, MEA/PEA, CEI 0-21							

## HYBRID SERIES

# TriP2-HB-3P 6-30K (Three-Phase)

- Max. 3 MPPTs and Max. PV input 45kW
- 150% unbalanced output, Max.15kW per phase
- Battery working range: 100~800V
- Max. 30kW UPS output
- Supports independent grid export control for each phase
- 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



Model	TriP2-HB-3P 6K	TriP2-HB-3P 8K	TriP2-HB-3P 10K	TriP2-HB-3P 12K	TriP2-HB-3P 15K	TriP2-HB-3P 20K	TriP2-HB-3P 25K	TriP2-HB-3P 30K
<b>Input (PV DC)</b>								
Max. PV input power (W)	9000	12000	15000	18000	22500	30000	37500	45000
Rated PV input voltage (V)	690							
Number of independent MPPT inputs	2 / (1:1)			3 / (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 / 25 (A:1 / B:1)			50 / 50 / 50 (A:2 / B:2 / C:2)				
<b>Battery</b>								
Compatible battery type	Lithium-ion / Lead-Acid							
Rated battery voltage (V)	400							
Max. charging / discharging current (A)	50			75				
Max. charging / discharging power (W)	6000	8000	10000	12000	15000	20000	25000	30000
Force wake up battery from PV function	YES							
<b>Grid</b>								
Rated AC voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac							
Rated AC frequency (Hz)	50 / 60							
Rated AC output current (A)	9.1 / 8.7	12.1 / 11.6	15.2 / 14.5	18.2 / 17.4	22.7 / 21.7	30.3 / 29	37.9 / 36.2	45.5 / 43.5
Rated AC output power (W)	6000	8000	10000	12000	15000	20000	25000	30000
Max. AC input current (A)	13.1	17.4	21.8	26.1	32.6	43.5	54.3	65.3
Max. output apparent power (VA)	6000	8000	10000	12000	15000	20000	25000	30000
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)							
THDI	< 3%							
Max. continuous AC passthrough current (A)	75							
<b>GEN</b>								
Rated GEN voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac							
Rated GEN frequency (Hz)	50 / 60							
Rated GEN input current (A)	30							
Rated GEN input power (W)	20700							
<b>UPS</b>								
Rated output power (W)	6000	8000	10000	12000	15000	20000	25000	30000
Rated output voltage (V)	3L / N / PE, 220 / 380 Vac, 230 / 400 Vac							
Rated output current (A)	9.1 / 8.7	12.1 / 11.6	15.2 / 14.5	18.2 / 17.4	22.7 / 21.7	30.3 / 29	37.9 / 36.2	45.5 / 43.5
Rated output frequency (Hz)	50 / 60							
Surge power, duration	1.5 × rated power for 5min							
Switching time	≤ 10ms							
Wave form	Sine wave							
THDV	< 3%							
<b>Efficiency</b>								
Max. efficiency	97.4%							
Max. charge / discharge efficiency	97.2%							
<b>Protection</b>								
PV reverse polarity protection	YES							
Over current / voltage protection	YES							
Anti-islanding protection	YES							
AC short-circuit protection	YES							
Leakage current protection	YES							
Grid monitoring	YES							
DC switch	YES							
Ingress protection	YES							
DC surge protection	Type III							
AC surge protection	Type III							
<b>General</b>								
Dimensions (W × H × D)	480 × 703 × 258mm / 18.9 × 27.7 × 10.2 in							
Weight	TBD			50 kg / 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 color screen, RS485 / Wifi / CAN							
Warranty	5 / 10 years							
Cooling method	Natural cooling			Smart cooling				
Topology	Transformerless							
Max. operating altitude (m)	2000							
Noise emission (dB)	50							
<b>Standards &amp; Certification</b>								
EN 62109-1/-2, EN 50549-1/-10, CEI 0-21:2022 (V2:2024-01), PTPIREE TypeA, G99, G100, IEC62116, IEC61727, MEA/PEA								

## ECO HYBRID / OFF-GRID



- GETA 1.5-6K
- SNA 3-6K
- SNA-EU 12-14K
- SNA PRO-EU 3-6.5K
- SNA2-EU-LT 10-14K

## 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.

### Scalable Battery Compatibility

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

### 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.

## OFF-GRID

# GETA 1.5-6K (Single-Phase)

- Max. PV input voltage 500V
- Wide voltage compatibility: Supports 12V, 24V, and 48V battery systems
- Battery activation via PV and utility grid
- Dual outputs for intelligent load management
- Real-time 24/7 remote monitoring
- Flexible operation modes to meet diverse energy needs
- EQ function for enhanced battery performance and longevity
- Allows continuous load supply at up to 110% of rated output power



Model	GETA-LB-EU 1.5K/12V	GETA-LB-EU 2.5K/12V	GETA-LB-EU 3.6K/24V	GETA-LB-EU 3.6K/48V	GETA-LB-EU 4.5K/24V	GETA-LB-EU 6K/48V
<b>Input (PV DC)</b>						
Max. PV array power (W)	2000	3000	4000		6500	9600
Number of independent MPPT inputs	1			2		
Max. PV input voltage (V)	500					
MPPT voltage range (V)	30 ~ 440		55 ~ 440		60 ~ 440	
Start-up voltage (V)	65					
Max. PV input current per MPPT (A)	18					
Max. Short-circuit current per MPPT (A)	20					
<b>Battery</b>						
Compatible battery type	Lithium-ion / Lead-acid					
Rated battery voltage (V)	12		24	48	24	48
Max. AC charge current (A)		100		75	140	100
Max. PV+AC charge current (A)		120		75	140	120
Max. discharging current (A)		140		75	160	140
Force wake up battery from PV function	Yes					
Force wake up battery from Grid function	Yes					
<b>Grid</b>						
Rated AC voltage (V)	230					
AC voltage range (V)	170-280VAC (For Personal Computer); 90-280VAC (For Home Appliances)					
Rated AC frequency (Hz)	50 / 60					
Rated AC input current (A)	6.5	10.8	15.7	15.7	19.6	26.1
Max. AC input power (W)	3000	5000	7200	7200	9000	11500
PF	0.99					
THDI	< 3%					
<b>GEN</b>						
Rated AC voltage(V)	/			230		
Rated AC frequency(Hz)	/			50 / 60		
Max.AC charge current(A)	/			100	75	100
Max AC input power(W)	/			3600	3600	4500
<b>UPS</b>						
Rated output power (W)	1500	1500 (BAT) / 2500 (PV+BAT)	3600	3600	4500	6000
Rated output voltage (V)	220 / 230VAC + 5%					
Rated output current (A)	6.5	6.5(BAT) / 10.8(PV+BAT)	15.7	15.7	19.6	26.1
Rated output frequency (Hz)	50 / 60					
Output port	Single output			Dual outputs		
Surge power, duration	2 × rated power for 2s					
Switching time (UPS )	10ms					
Wave form	Sine wave					
THDV	<3%					
Overload protection	5s@≥150% load; 10s@110%~150% load					
<b>Efficiency</b>						
MPPT efficiency	99.0%					
Max. charge efficiency	96.0%					
Max. discharge efficiency	89.0%		91.0%		93.0%	
<b>Protection</b>						
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					
<b>General</b>						
Dimensions (W × H × D)	304.4×320×101 mm 12.0×12.6×4.0 in		307×385×111 mm 12.1×15.2×4.4 in		TBD	
Weight	5.4 kg / 12 lbs		7.33 kg / 16.16 lbs		TBD	
Ingress protection rating	IP21					
Relative humidity	5% ~ 95%					
Operating environment temperature range (°C)	-10 ~ 45 (> 40 °C Derating)					
Storage temperature range (°C)	-15 ~ 60					
Display & Communication interface	LCD + LED; WIFI					
Warranty	1.5 years					
Cooling method	Smart Cooling					
Max. operating altitude (m)	2000					
<b>Standard &amp; Certification</b>						
EN62109-1/-2, EN 61000						

# SNA 3-6K (Single-Phase)

- Off-grid seamless switching
- 2 MPPTs, Max. PV input: 9.6kW
- Wide PV input voltage range: 100~500V
- Supports up to 18 units in parallel
- Max. charging and discharging current: 140A
- Dedicated port: Supports generator, AC coupling or smart load management for enhanced stability
- 24/7 real-time monitoring via LUX app with worry-free updates



Model	SNA 3K	SNA 4K	SNA 5K	SNA 6K
<b>Input (PV DC)</b>				
Max. PV input power (W)	6000 (3000/3000)	8000 (4000/4000)	8000 (4000/4000)	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 ~ 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			
<b>Battery</b>				
Compatible battery type	Lithium-ion / Lead-Acid			
Rated battery voltage (V)	48			
Battery voltage range (V)	38.4 ~ 60			
Max. charging/discharging current (A)	70/70	90/90	110/110	140/140
Max. charging/discharging power (W)	3000	4000	5000	6000
Force wake up battery from PV function	YES			
Force wake up battery from Grid function	YES			
<b>Grid</b>				
Rated AC voltage (V)	230			
Rated AC frequency (Hz)	50 / 60			
Rated AC output current (A)	13.04	17.39	21.74	26.09
Rated AC output power (W)	3000	4000	5000	6000
Max. AC input power (W)	8000			
PF	0.99			
THDI	< 5%			
Max. continuous AC passthrough current (A)	35			40
<b>GEN</b>				
Rated GEN voltage (V)	220 / 230 / 240			
Rated GEN frequency (Hz)	50 / 60			
Rated GEN input current (A)	32			
Rated GEN input power (W)	7370			
<b>UPS</b>				
Rated output power (W)	3000	4000	5000	6000
Rated output voltage (V)	230			
Rated output current (A)	13.04	17.39	21.74	26.09
Rated output frequency (Hz)	50 / 60			
Surge power, duration	2 × rated power for 5s			
Switching time	<7ms@Single / <20ms@Parallel			
Wave form	Sine wave			
THDV	3%			
<b>Efficiency</b>				
Max. MPPT efficiency	99.9%			
EU efficiency	93.5%			
Max. efficiency	95.0%			
Max. charge / discharge efficiency	93.0%			
<b>Protection</b>				
Over current / voltage protection	YES			
AC short-circuit current protection	YES			
Grid monitoring	YES			
AC surge protection	Type III			
Battery reverse polarity protection	YES			
<b>General</b>				
Dimensions (W × H × D)	330 × 505 × 135 mm / 13 × 19.9 × 5.3 in			
Weight	14.5 kg / 32 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	Transformerless			
Max. operating altitude (m)	2000			
Noise emission (dB)	50			
<b>Standards &amp; Certification</b>				
IEC 62109-1/2, IEC 61683, EN 61000, MEA, PEA				

## ECO HYBRID

# SNA PRO-EU 3-6.5K (Single-Phase)

- 2 MPPTs with Max. PV input of 12kW
- IP66 protection rating: Ensures reliable dust and water resistance
- Parallel operation: Supports up to 16 units for scalable energy solutions
- Max. charge/discharge current: 135/140A
- Seamless off-grid switching: Automatic transition for uninterrupted power
- Dedicated port: Supports generator or smart load management for enhanced system stability
- Smart monitoring: Remote configuration and real-time performance tracking



Model	SNA PRO-EU 3K	SNA PRO-EU 4K	SNA PRO-EU 5K	SNA PRO-EU 6K	SNA PRO-EU 6.5K
<b>Input (PV DC)</b>					
Max. PV array power (W)	7500(3750/3750)	10000(5000/5000)	12500(6250/6250)	15000(7500/7500)	
Max. PV input power (W)	6000(3000/3000)	8000(4000/4000)	10000(5000/5000)	12000(6000/6000)	
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	
<b>Battery</b>					
Compatible battery type	Lithium-ion / Lead-Acid				
Rated battery voltage (V)	48				
Battery voltage range (V)	40 ~ 60				
Max. charging / discharging current (A)	70	90	110	135 / 140	135 / 140
Max. charging / discharging power (W)	3000	4000	5000	6000	6500
Force wake up battery from PV function	YES				
Force wake up battery from Grid function	YES				
Force wake up battery from GEN function	YES				
<b>Grid</b>					
Rated AC voltage (V)	230				
Rated AC frequency (Hz)	50 / 60				
Rated AC output current (A)	13	17.5	22	26.5	28.2
Rated AC output power (W)	3000	4000	5000	6000	6500
Max. AC input power (W)	6000	8000	8000	9000	9000
PF	0.99				
THDI	< 5%				
Max. continuous AC passthrough current (A)	40			60	
<b>GEN</b>					
Rated GEN voltage (V)	230				
Rated GEN frequency (Hz)	50 / 60				
Rated GEN input current (A)	13				32
Rated GEN input power (W)	3000				7370
<b>UPS</b>					
Rated output power (W)	3000	4000	5000	6000	6500
Rated output voltage (V)	230 / 120				230
Rated output current (A)	13	17.5	22	26.5	28.2
Rated output frequency (Hz)	50 / 60				
Surge power, duration	6000W, 5s	8000W, 5s	10000W, 5s	12000W, 5s	13000W, 5s
Switching time	< 10ms @ Single; < 20ms @ Parallel				
Wave form	Sine wave				
Load capacity of Motor	3HP		4HP	5HP	
Overload capacity	10s@110% ~ 150 % load; 5s@150% ~ 200% load				
THDV	<3%				
<b>Efficiency</b>					
MPPT efficiency	99.0%				
Max. efficiency	96.9%				
Max. EU efficiency	96.9%				
Max. charge efficiency	97.5%				
Max. discharge efficiency	95.5%				
<b>Protection</b>					
PV reverse polarity protection	YES				
Over current / voltage protection	YES				
Anti-islanding protection	YES				
AC short-circuit current protection	YES				
Grid monitoring	YES				
Leakage current protection	YES				
AC/DC surge protection	Type II				
PV switch	YES				
<b>General</b>					
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)	-15 ~ 60				
Relative humidity	5% ~ 95%				
Display & Communication interface	LCD + LED, RS485 / Wi-Fi / CAN				
Warranty	5 years				
Cooling method	Smart Cooling				
Topology on AC side	Transformerless				
Topology on battery side	Transformer				
Max. operating altitude (m)	4000, >2000 Power derating				
Noise emission (dB)	40				
<b>Standards &amp; Certification</b>					
EN61000/EN62109-1/-2, NRS097, MEA/PEA, IEC62116, IEC61727					

# SNA-EU 12-14K (Single-Phase)

- 2 MPPTs with 4 strings, Max. 24kW PV input
- Max. charging and discharging current: 270A
- Off-grid application for high demand with 12kW output power
- Dual AC output ports for multiple load connections
- Dedicated GEN port with auto-start and GEN boost function
- Integrated design with load and battery breaker
- PV or AC or generator wake up battery
- Supports up to 16 units in parallel



Model	SNA-EU 12K	SNA-EU 14K
<b>Input (PV DC)</b>		
Max. PV input power (W)	24000 (12000 / 12000)	
Rated PV input voltage (V)	320	
Number of independent MPPT inputs	2 / (2:2)	
Max. PV input voltage (V)	500	
MPPT voltage range (V)	120 ~ 440	
Start-up voltage (V)	100	
Max. PV input current per MPPT (A)	35 / 35	
Max. PV short-circuit current input per MPPT (A)	44 / 44	
<b>Battery</b>		
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)	250	270
Max. charging / discharging power (W)	12000	13000
Force wake up battery from PV and Grid function	YES	
<b>Grid</b>		
Rated AC voltage (V)	230	
AC start-up voltage	90	
Acceptable input voltage range (V)	130 ~ 280	
Rated AC frequency (Hz)	50 / 60	
Rated AC input current (A)	100	
Rated AC input power (W)	24000	
PF	0.99	
THDI	< 5%	
Max. continuous AC passthrough current (A)	100	
<b>GEN</b>		
Rated GEN voltage (V)	230	
Rated GEN frequency (Hz)	50 / 60	
Rated GEN input current (A)	65	
Rated GEN input power (W)	15000	
<b>UPS</b>		
Rated output power (W)	12000	14000@230V (with PV + Battery)
Rated output voltage (V)	230	
Rated output current (A)	53	61
Rated output frequency (Hz)	50 / 60	
Switching time ( UPS )	< 10ms	
Wave form	Sine wave	
THDV	< 3%	
Overload protection	5s@≥1.5 × rated power / 10s@(1.1~1.5) × rated power	
<b>Efficiency</b>		
Max. MPPT efficiency	99.0%	
Max. efficiency	93.5%	
Max. charge / discharge efficiency	93.0%	
<b>Protection</b>		
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 / AC surge protection	Type III	
Battery reverse polarity protection (Y/N)	YES	
<b>General</b>		
Dimensions ( W × H × D )	530 × 830 × 150 mm / 17.72 × 25.59 × 5.9 in	
Weight	43.5 kg / 95.9 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)	2000	
Noise emission (dB)	55	
<b>Standard &amp; Certification</b>		
IEC 62109-1/-2, EN 62109/EN 62920		

# SNA2-EU-LT 10-14K (Single-Phase)




- Max. PV input: 24kW with 2 MPPTs
- Max. charging and discharging current: 270A
- Support up to 16 units in parallel for on/off grid
- Lite design for easier installation
- Support hybrid working modes
- Intelligent operating mode to lower energy costs & quick ROI
- Separate GEN port for
  - Auto start-stop
  - Working with the existing grid-tied system
  - Smart load management



Model	SNA2-EU-LT 10K	SNA2-EU-LT 12K	SNA2-EU-LT 14K
<b>Input (PV DC)</b>			
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)	500		
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	
<b>Battery</b>			
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)	230	250	270
Max. charging / discharging power (W)	11000	12000	13000
Force wake up battery from PV and Grid function	YES		
<b>Grid</b>			
Rated AC voltage (V)	230		
AC start-up Voltage	90		
Acceptable input voltage range (V)	130 ~ 280		
Rated AC frequency (Hz)	50 / 60		
Rated AC input current (A)	100		
Rated AC input power (W)	24000		
PF	0.99		
THDI	< 5%		
Max. continuous AC passthrough current (A)	100		
<b>GEN</b>			
Rated GEN voltage (V)	230		
Rated GEN frequency (Hz)	50 / 60		
Rated GEN input current (A)	65		
Rated GEN input power (W)	15000		
<b>UPS</b>			
Rated output power (W)	10000	12000	14000 (with PV + Battery)
Rated output voltage (V)	230		
Rated output current (A)	43.5	52	61
Rated output frequency (Hz)	50 / 60		
Switching time ( UPS )	< 10ms		
Wave form	Sine wave		
THDV	< 3%		
Overload protection	5s@≥1.5×10K / 10s@(1.1~1.5)×10K(Only Battery)	5s@≥1.5×12K / 10s@(1.1~1.5)×12K(Only Battery)	10s@≥1.18 ×12K (With PV+ Battery)
<b>Efficiency</b>			
Max. MPPT efficiency	99.0%		
Max. efficiency	93.5%		
Max. charge / discharge efficiency	93.0%		
<b>Protection</b>			
Over current / voltage protection (Y/N)	YES		
AC short-circuit current protection (Y/N)	YES		
Grid monitoring (Y/N)	YES		
DC / AC surge protection	Type III		
<b>General</b>			
Dimensions ( W × H × D )	520 × 580 × 163 mm / 20.5 × 22.8 × 6.4 in		
Weight	32.5 kg / 71.7 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)	2000		
Noise emission (dB)	55		
<b>Standard &amp; Certification</b>			
NRS 097, EN 62109-1/-2			

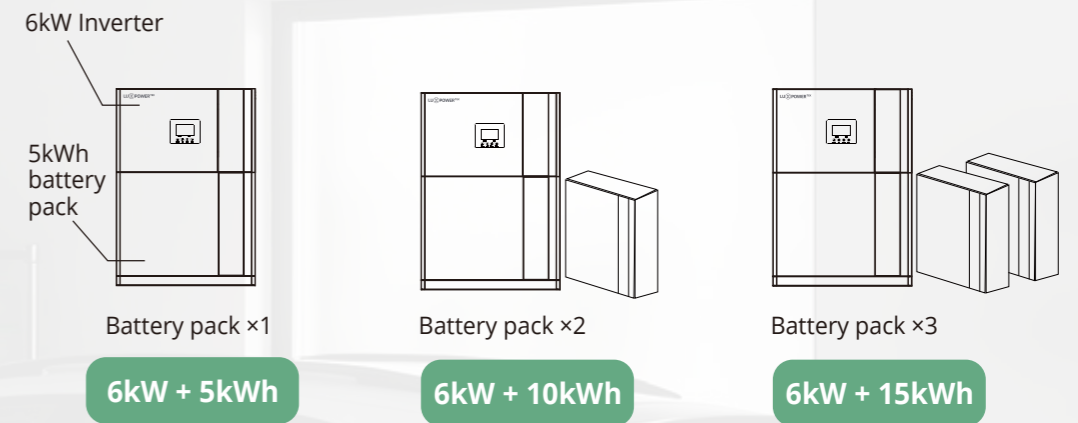
# Your Home, Powered by Intelligence.

Modular · Intelligent · Safe

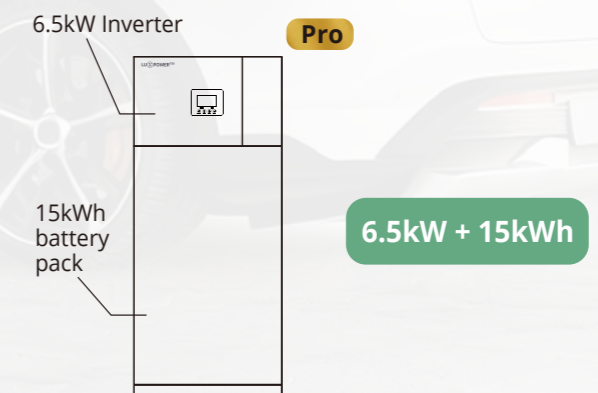
-  True Integration. Scalable Energy.
-  Seamless 10ms Backup. Power Uninterrupted.
-  Smart Cloud Monitoring. Real-Time Diagnostics.



## Eco Beast

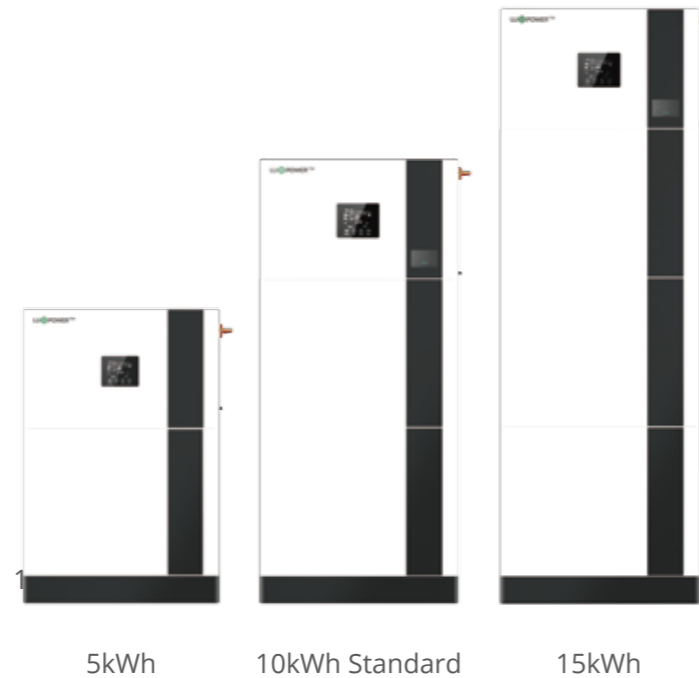


## Eco Beast Pro



# Eco Beast (Single-Phase)

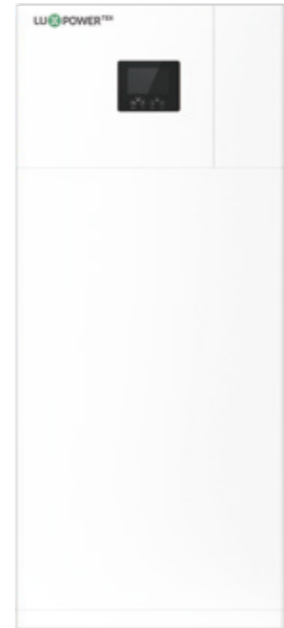
- 2 MPPTs, Max. 9.6kW PV input
- On/off-grid switching
- Battery module level monitoring
- PV or AC or generator wake up battery
- Expandable storage - up to 16pcs in parallel
- Remote monitoring and firmware updates with battery



Model	Eco Beast 6000
<b>INVERTER MODULE</b>	
<b>Input (PV DC)</b>	
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)	480
MPPT voltage range (V)	120 ~ 385
Start-up voltage (V)	100
Max. PV input current per MPPT (A)	17 / 17
Max. PV short-circuit current input per MPPT (A)	25 / 25
Max. PV charging current (A)	140
<b>AC Output (Backup)</b>	
Output voltage waveform	Pure sine wave
Output voltage regulation (V)	208 / 220 / 230 / 240 ± 5%
Output frequency (Hz)	50 / 60
Rated output power (W)	6000
Rated output current (A)	26.5
Peak efficiency	93%
Overload protection	5s@≥150% overload; 10s@110%~150% overload
Surge power	2 × rated power for 5s
Switching time	<7ms@Single; <20ms@Parallel
<b>AC Input</b>	
Rated input voltage (V)	230
Rated input frequency (Hz)	50 / 60 (Auto detection)
Max. AC input current (A)	39.5
Max. AC input power (W)	9000
Max. AC charging current (A)	140
Rated AC current of bypass relays (A)	60
<b>Gen</b>	
Rated GEN voltage (V)	220 / 230 / 240
Rated GEN frequency (Hz)	50 / 60
Rated GEN input Current (A)	32
Rated GEN input Power (W)	7370
Rated GEN current of bypass relays (A)	60
<b>Battery Connection</b>	
Battery module model	Battery Beast-5
Battery module voltage (V)	38.4 ~ 60
Number of modules per inverter	1 ~ 3
<b>Efficiency</b>	
Max. efficiency	93.5%
Max. charge / discharge efficiency	93.0%
<b>Protection</b>	
Grid monitoring	YES
AC surge protection	Type III
<b>Standards &amp; Certification</b>	
NRS097-2-1:2024, EN/IEC62109-1/-2, EN61000, EN62920	
<b>Battery Module</b>	
Battery energy (kWh)	5.12
Rated voltage (V)	51.2
Rated capacity (Ah)	100
Battery type	Lithium-ion
Max. discharging current (A)	100
Max. charging current (A)	100
Dimension (W × H × D)	580 × 434 × 165 mm / 22.8 × 17.1 × 6.5 in
Net weight	54 kg / 119.1 lbs
Standard	UN38.3; CE
<b>General Specifications</b>	
Inverter module weight	17.5 kg / 38.6 lbs
Inverter module dimension (W × H × D)	580 × 350 × 165 mm / 22.8 × 13.8 × 6.5 in
Battery module weight	57.4 kg / 126.5 lbs
Battery module dimension (W × H × D)	580 × 434 × 165 mm / 22.8 × 17.1 × 6.5 in
Ingress protection rating	IP20
Display & Communication interface	LCD + LED, RS485 / Wi-Fi / CAN
Cooling method	Smart cooling
Topology	Transformerless
Noise emission (dB)	58
Operating temperature range (°C)	0 ~ 45
Storage temperature (°C)	-15 ~ 60
Humidity	5% to 95% Relative Humidity (Non-condensing)
Max. operating altitude (m)	2000

# Eco Beast Pro (Single-Phase)

- Optimized Power Performance**
  - 6.5kW output, 2x surge power (5s)
  - Up to 9.6kW PV input, dual MPPT
  - Pure sine wave, stable backup power
- Flexible & All-in-One Design**
  - 15kWh battery built in, no external packs
  - PV / Grid / Generator multi-source input
  - Compact cabinet, fast installation
- Safety & Reliability**
  - Intelligent BMS with 140A charge/discharge
  - AC surge protection & grid monitoring
  - 93% system efficiency
- Smart Control & Monitoring**
  - Full system visibility in real time
  - Remote control and upgrade via LuxCloud platform
  - Seamless backup switching <7ms



INVERTER MODULE	Eco Beast Pro
<b>Input (PV DC)</b>	
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)	140
<b>AC Output (Backup)</b>	
Output voltage waveform	Pure sine wave
Output voltage regulation (V)	208 / 220 / 230 / 240 ± 5%
Output frequency (Hz)	50 / 60
Rated output power (W)	6500
Rated output current (A)	28.3
Peak efficiency	93%
Overload protection	5s@≥150% load; 10s@110%~150% load
Surge power	2 × rated power for 5s
Switching time	<7ms@Single; <20ms@Parallel
<b>AC Input</b>	
Rated input voltage (V)	230
Rated input frequency (Hz)	50 / 60
Max. AC input current (A)	45
Max. AC input power (W)	9000
Max. AC charging current (A)	140
Rated AC current of bypass relays (A)	40
<b>Gen</b>	
Rated GEN voltage (V)	230
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	32
Rated GEN input power (W)	7370
<b>Battery Connection</b>	
Battery module model	Beast 15
Battery module voltage (V)	38.4 ~ 60
Number of modules per inverter	1
<b>Efficiency</b>	
Max. efficiency	93.0%
Max. charge / discharge efficiency	93.0%
<b>Protection</b>	
Grid monitoring	YES
AC surge protection	Type III
<b>Standards &amp; Certification</b>	
IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1	
<b>Battery Module</b>	
Battery energy (kWh)	15
Rated voltage (V)	51.2
Rated capacity (Ah)	300
Battery type	Lithium-ion
Max. discharging current (A)	140
Max. charging current (A)	140
<b>General Specifications</b>	
Inverter module weight	16.5 kg / 36.4 lbs
Inverter module dimension (W × H × D)	580 × 425 × 175 mm / 22.8 × 16.7 × 6.89 in
Battery module weight	98 kg / 216.1 lbs
Battery module dimension (W × H × D)	580 × 950 × 175 mm / 22.8 × 37.4 × 6.89 in
Ingress protection rating	IP20
Display & Communication interface	LCD + LED, RS485 / Wi-Fi / CAN
Cooling method	Smart cooling
Topology	Transformerless
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)	2000

## RETROFIT

# RETROFIT YOUR SOLAR SYSTEM

### AC Retrofit

- LXP 3600 ACS

### DC Retrofit

- LSP 100K

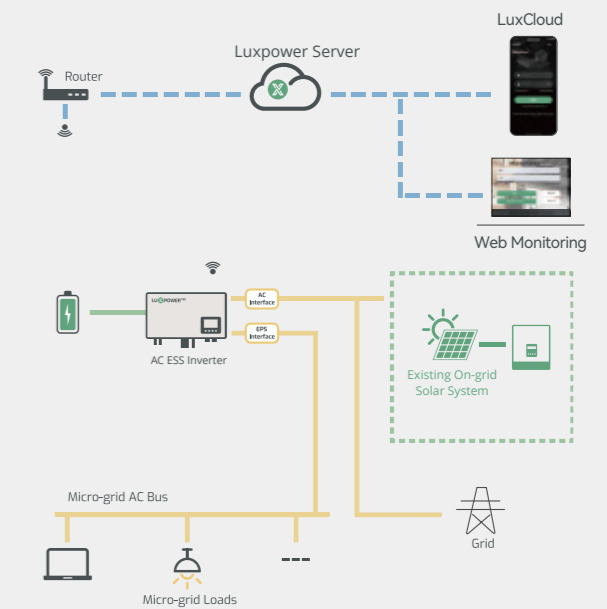


## One Step to Retrofit Your Solar System

### AC Retrofit

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

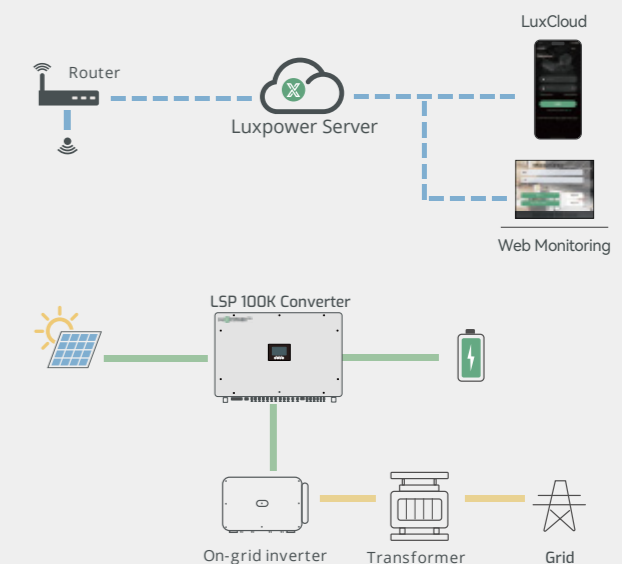
It couldn't be easier than installing an LXP ACS series inverter coupled on AC side with a battery pack. Installation of a Lux ACS system should not affect existing solar systems or feed in tariffs.



### DC Retrofit

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

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



# LXP 3600 ACS

- Retrofit any on-grid/micro-grid system to energy storage system
- Battery charging/discharging current: 70A
- Octopus smart time of use and weather optimize
- On/off grid seamless switching
- Support up to 8pcs in parallel
- Separate EPS port for flexible load management

NOTE:

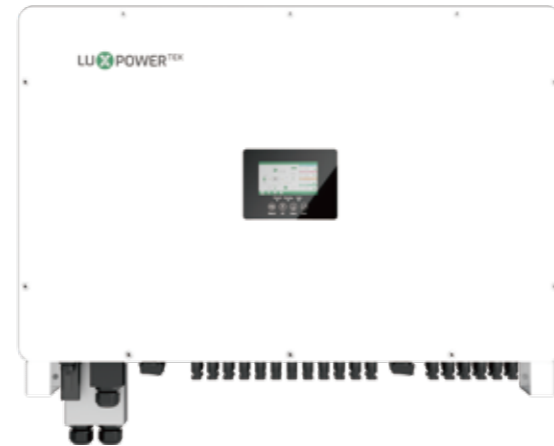
Intelligent charge feature is only available in the UK for now, supporting regional customization



Model	LXP 3600 ACS
<b>Battery</b>	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40 ~ 60
Max. charging voltage (V)	60
Max. charging / discharging current (A)	70
Max. charging / discharging power (W)	3600
Force wake up battery from Grid function(Y/N)	YES
<b>Grid</b>	
Rated AC voltage (V)	230
Rated AC frequency (Hz)	50 / 60
Rated AC output current (A)	16
Rated AC output power (W)	3600
Max. AC input current (A)	26
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDI	< 3%
Max. continuous AC passthrough current (A)	40
<b>UPS</b>	
Rated output power (W)	3600
Rated output voltage (V)	230
Rated output current (A)	16
Rated output frequency (Hz)	50 / 60
Surge power, duration	4500W, 30s
Switching time	20ms
Wave form	Sine wave
THDV	< 3%
Parallel capacity	6
<b>Efficiency</b>	
Max. efficiency	97.3%
Max. charge / discharge efficiency	94.5%
<b>Protection</b>	
Over current / voltage protection	YES
Anti-islanding protection	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC surge protection	Type III
<b>General</b>	
Dimensions (W × H × D)	650 × 440 × 220 mm / 25.6 × 17.3 × 8.6 in
Weight	15.6 kg / 34.4 lbs
Ingress protection rating	IP65
Operating environment temperature range (°C)	-25 ~ 60
Storage temperature range (°C)	-40 ~ 65
Relative humidity	0 ~ 95%
Display & Communication interface	LCD, RS485 / Wi-Fi / CAN
Warranty	5 years
Cooling method	Natural Cooling
Topology	Transformerless
Max. operating altitude (m)	2000
Noise emission (db)	25
AC connector	YES
<b>Standards &amp; Certification</b>	
IEC62109-1, IEC62040, EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+ AC:2012, EN 61000-3-2:2014, EN 61000-3-3:2013, VDE-AR-N 4105 EN50549-1/-10, G98, G99/G100	

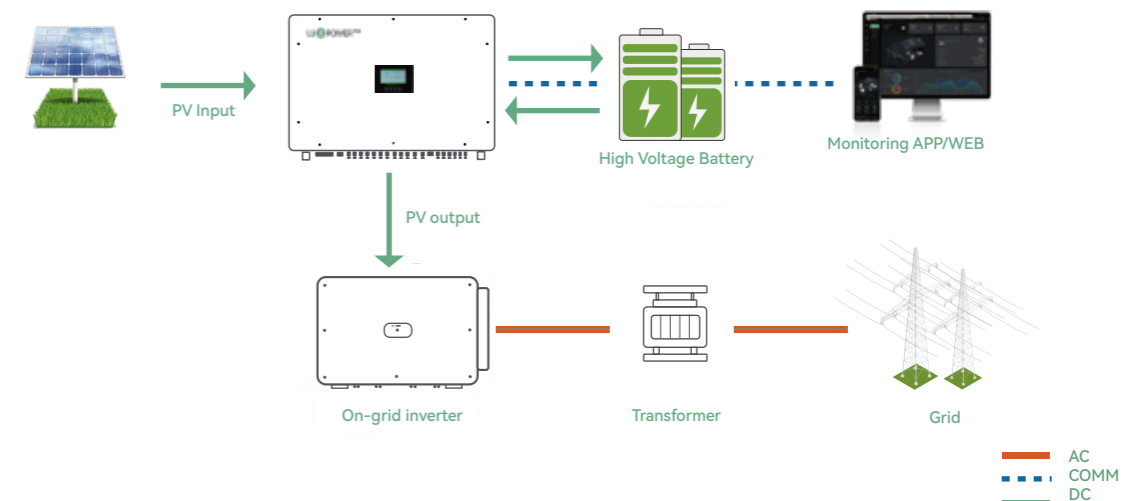
# LSP 100K

- Max. 200kW PV input and 100kW PV output
- Retrofit on-grid system to hybrid system (energy storage)
- DC-coupling, 24 MPPT inputs and 12 MPPT outputs
- 24/7 real-time monitoring via free LUX app and web
- Advanced power management logic
- Colorful touch LCD, IP65 for indoor/outdoor installation



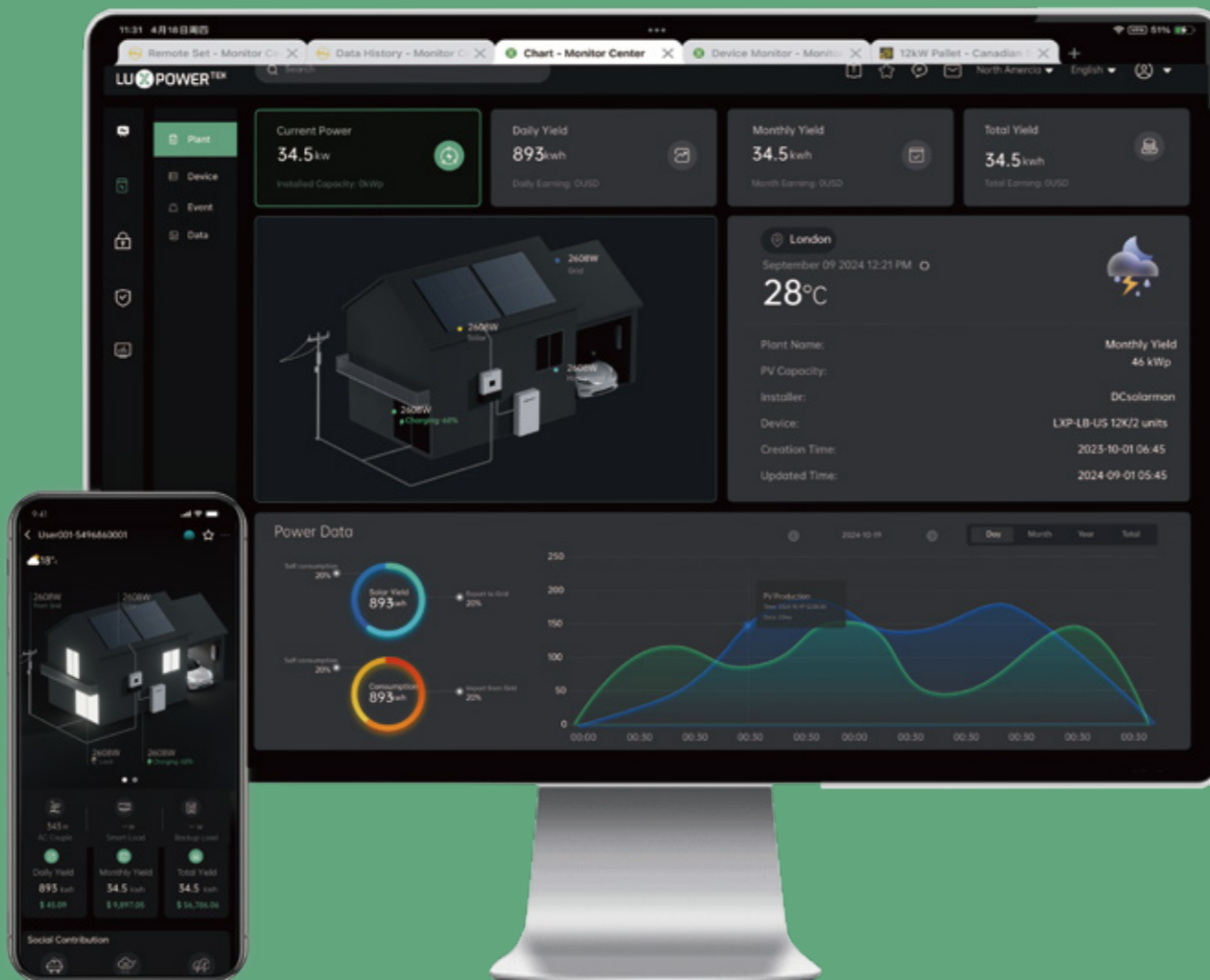
Model	LSP 100K	
<b>PV Input</b>		
Max. input power (kW)	200	
Max. input voltage (V)	1100	
Rated PV input voltage (V)	630	
MPPT voltage range (V)	300 ~ 900	300 ~ 1000
Start-up voltage (V)	330	
Max. short-circuit per MPPT (A)	33	
Max. current per MPPT input (A)	26	
Number of MPPT inputs	12	
Number of input strings	24	
<b>Battery</b>		
Type	Lithium-ion	
Max. charge / discharge power (kW)	100	
Voltage range (V)	300 ~ 850*	300 ~ 700*
Max. charge / discharge current (A)	200	
Max. charge / discharge efficiency	98.1%	
<b>PV Output</b>		
DC-DC output rated power (kW)	100	
Normal output voltage (V)	630	
Output voltage range (V)	500 ~ 1000	
Max. output current (A)	20	
Output strings	12	
Output trackers	12	
<b>Protection</b>		
DC reverse-polarity protection	Yes	
DC surge protection	Type III	
<b>General</b>		
Dimensions (W × H × D)	1015 × 680 × 310 mm / 39.9 × 26.8 × 12 in	
Weight (with mounting plate)	120 kg / 264.5 lbs	
Protection degree rating	IP65	
Topology	Transformerless	
Cooling method	Natural Cooling	
Relative humidity	0% ~ 100%	
Operating environment temperature range (°C)	-25 ~ 60	
Connector (PV input and output)	MC4	
Battery connector	Screw	
Max. operating altitude (m)	4000	
Warranty	5 years	
Display	Touch color screen, LED + LCD	
Communication interface	RS485 / CAN / Wi-Fi	
<b>Standards &amp; Certifications</b>		
EN 62109-1/-2, EN61000		

\*Note: The 300-700V battery voltage range corresponds to a 300-1000V PV input;  
The 300-850V battery voltage range corresponds to a 300-900V PV input



# 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.



## 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

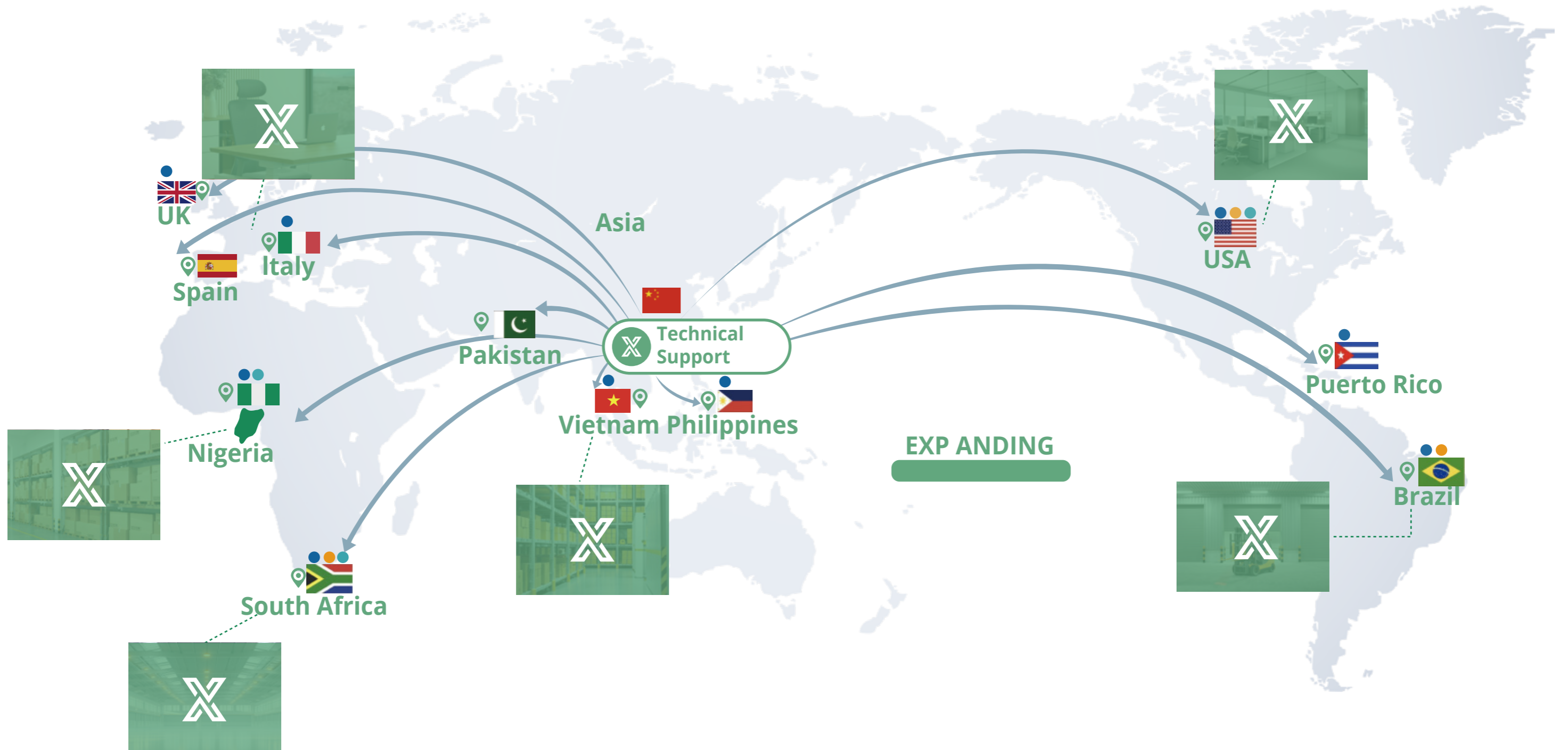
## For APP Download



Android



iOS



It covers over 100+ countries and regions, and has established local service support centers in areas such as South Africa, the United States, Nigeria, the United Kingdom, and Brazil, responding quickly to customer needs and building an efficient after-sales service loop.

# EMPOWERING THE WORLD, ONE EVENT AT A TIME



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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.