



YOUR RELIABLE ENERGY SOLUTION PARTNER

2026/

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**Residential & Commercial
Energy Storage Battery**

LOW VOLTAGE

• Li Series



• PGEM Series



• PSHIELD Series



HIGH VOLTAGE

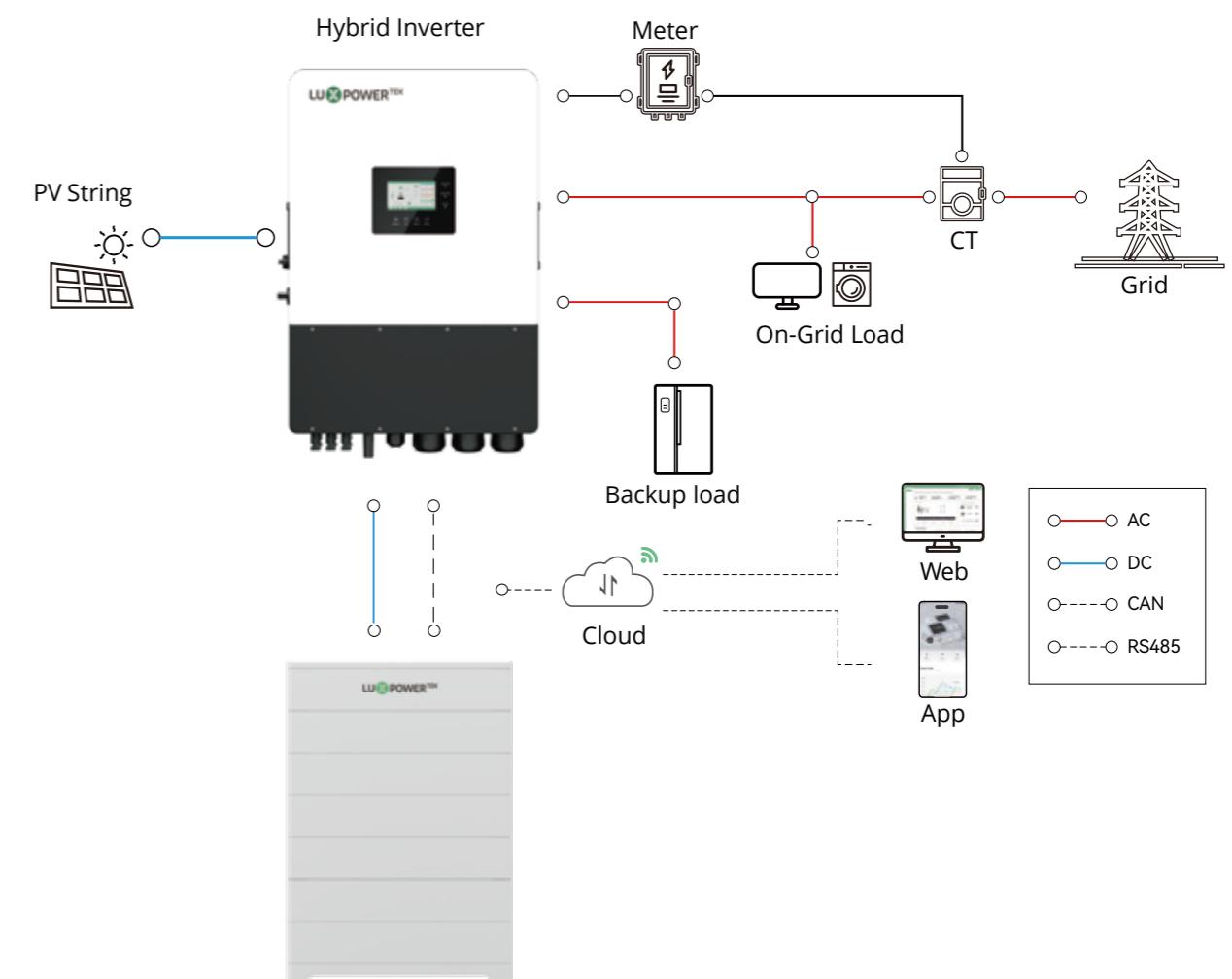
• PSTACK Series



• C Series



ENERGY STORAGE SOLUTION



Residential

Self-consumption
+ Backup power



Commercial

Demand reduction
+ Energy cost saving



Remote Area

Off-grid energy
independence

Battery Storage

Li-5 / Li-11.8 / Li-7.5e/ Li-15e (Low voltage)



Features



Long Lifespan & 10-Year Warranty

Reliable performance with ultra-safe LiFePO₄ cells.



High Efficiency

Up to 1C charge/discharge rate ensures stable, fast power delivery.



Smart BMS Protection

Comprehensive safety for overcharge, over-discharge, and short circuit.



Remote Monitoring & Upgrade

Smart BMS enables real-time diagnostics and firmware updates.



Flexible Scalability

Supports up to 32-35 modules in parallel for higher capacity.



Intelligent System Integration

Seamlessly integrates with Luxpower inverters for unified monitoring, automatic pre-charge, charge/discharge management, and extended warranty support.

Model	Li-5	Li-11.8	Li-7.5e	Li-15e
Electrical				
Rated Energy	5.12kWh	11.776kWh	7.5kWh	15kWh
Rated Capacity	100Ah	230Ah	300Ah	300Ah
Rated Voltage	51.2V	51.2V	25.6V	51.2V
Charge/Discharge Current	(Recommend) (Max. Continuous) (Peak 1) (Peak 2)	50A 100A 105A (Peak1 15s) 110A (Peak2 500ms) / 150A (Peak2 500ms)	100A 100A 140A (Peak1 5min) 160A (Peak2 500ms) / 200A (Peak2 500ms)	140A 140A 140A 140A
Charge/Discharge Rate	1C		0.5C	

General						
Cell Type	LFP					
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running	Up to 35 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running				
Dimension (W × H × D)	438 × 165 × 546 mm 17.24 × 6.5 × 21.5 in	396 × 229× 600 mm 15.6 × 9.0 × 23.6 in	452 × 225 × 463 mm 17.8 × 8.9 × 18.2 in	452 × 225 × 706 mm 17.8 × 8.9 × 27.8 in		
Weight	48.5 kg / 106.9 lbs	81 kg / 178.57 lbs	53.5 kg / 117.9 lbs	98 kg / 216.1 lbs		
IP Level	IP20					
Communication	CAN / RS485					
Humidity	5% ~ 85%RH (No condensation)					
Work Temperature	-20 ~ +55°C					
Storage Temperature	-10 ~ +35°C					
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure					
Warranty *	10 years, 6000 cycles		5 years, 6000 cycles			
Certification	CE; UN38.3; IEC62619					
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection					

@25°C, 90% DOD. 0.5C testing condition

Battery Storage

Li-Stack (Low voltage)



Features

-  10 years warranty; Ultra safe LFP material
-  1C rate continuous charge/discharge
-  Multi protection to avoid over discharge; Short circuit protection
-  300A max. discharge per stack, no exposed wire

-  Flexible remote upgrade
-  Parallel up to 32 modules
-  Quick plug design for fast installation

Model	Li-Stack
Cell Type	LFP
Rated Energy	5.12kWh per battery
Rated Capacity	100Ah per battery
Rated Voltage	51.2V
Charge Voltage	57.2V
Max. Charge / Discharge Current	100A
Discharge Peak Current	105A / 15s, 120A / 0.5s
Parallel	Up to 8 battery per stack and total 32pcs battery expandable
IP Level	IP65
Dimension (W × H × D)	TBD
Weight	TBD
Communication	CAN / RS485
Humidity	5% ~ 85%RH (No condensation)
Work Temperature	-20 ~ +55°C
Installation	Plug and Play
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 years, 6000 cycles
Certification	CE; UN38.3; IEC62619
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

@25°C, 90% DOD, 0.5C testing condition

Battery Storage

PGEM/PGEM PRO/PGEM MAX (Low voltage)



Features

Ultra Safe LFP Material

Long-lifespan LiFePO₄ cells with over 8000 cycles.

High Efficiency Performance

Up to 200 A continuous discharge and 1C charge/discharge rate.

Smart BMS Management

Multi-level protection for overcharge, over-discharge, and short circuit.

Fire Suppression & Flexible Installation (PGEM MAX Only)

Built-in fire protection; supports stackable, wall/floor mounting, and optional wheel or bracket setup.



Remote Upgrade & Active Balancing

Real-time monitoring, remote firmware updates, and low self-consumption.



Parallel Scalability

Supports up to 32-35 modules in parallel for flexible capacity expansion.



Wall-mounted Compact Design

Sleek and space-saving, ideal for residential energy storage.

Model	PGEM	PGEM PRO	PGEM MAX
Electrical			
Rated Energy	5.12kWh	14.3kWh	16.076kWh
Rated Capacity	100Ah	280Ah	314Ah
Rated Voltage	51.2V	51.2V	51.2V
(Recommend)	50A	140A	160A
(Max. Continuous)	100A	140A	160A / 200A
(Peak 1)	105A (Peak1 15s)	160A (Peak1 15s) / 160A (Peak1 5min)	180A (Peak1 15s) / 210A (Peak1 2min)
(Peak 2)	110A (Peak2 500ms) / 150A (Peak2 500ms)	180A (Peak2 500ms) / 200A (Peak2 500ms)	200A (Peak2 500ms) / 220A (Peak2 500ms)
Charge/Discharge Rate	1C	0.5C	

General

Cell Type	LFP				
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running		Up to 35 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running		
Dimension (W × H × D)	390 × 620 × 170 mm 15.35 × 24.41 × 6.69 in	475 × 900× 238 mm 18.7 × 35.4 × 9.4 in	900 × 445 × 230 mm 35.4 × 17.5 × 9.1 in		
Weight	54 kg / 119.05 lbs	115 kg / 253.5 lbs	120 kg / 264.6 lbs		
IP Level	IP20				
Robust Applications	Auto-addressing and stronger protection				
Communication	CAN / RS485				
Humidity	5% ~ 85%RH (No condensation)				
Work Temperature	-20 ~ +55°C				
Storage Temperature	-10 ~ +35°C				
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure				
Warranty *	10 years, 6000 cycles	10 years, 8000 cycles			
Certification	CE; UN38.3; IEC62619				
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Stronger active balance, Low SOC protection				

@25°C, 90% DOD. 0.5C testing condition

Battery Storage

PSHIELD/PSHIELD MAX (Low voltage)



Features

 **IP65 Outdoor Protection**
Built-in heating system and sealed enclosure for reliable operation in harsh or extreme weather.

 **Ultra Safe LFP Material**
Long-lifespan LiFePO₄ cells with over 8000 cycles and 10-year warranty.

 **Efficient Power Delivery**
Up to 200A continuous discharge and 0.5C charge/discharge rate for stable performance.

 **Flexible Installation (MAX Only)**
Optional wheels or standing foot design for easy movement and setup.

 **Remote Monitoring & Firmware Upgrade**
Handy access for diagnostics, updates, and long-term maintenance.

 **Parallel Scalability**
Supports up to 32 modules in parallel, with auto-addressing for easy system expansion.

 **Smart BMS Protection**
Multi-level safety for overcharge, over-discharge, short circuit, and temperature control.

Model	PSHIELD	PSHIELD MAX
Electrical		
Rated Energy	5.12kWh	16.076kWh
Rated Capacity	100Ah	314Ah
Rated Voltage	51.2V	51.2V
(Recommend)	50A	160A
(Max. Continuous)	100A	160A / 200A
(Peak 1)	105A (Peak1 15s)	180A (Peak1 15s) / 210A (Peak1 2min)
(Peak 2)	110A (Peak2 500ms) / 150A (Peak2 500ms)	200A (Peak2 500ms) / 220A (Peak2 500ms)
Charge/Discharge Rate	1C	0.5C

General		
Cell Type	LFP	
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running	
Dimension (W × H × D)	450 × 680 × 171.5 mm 17.72 × 26.77 × 6.75 in	475 × 236 × 900 mm 18.7 × 9.3 × 35.4 in
Weight	60 kg / 132.3 lbs	125 kg / 275.6 lbs
IP Level	IP65	
Robust Applications	Auto-addressing and stronger protection	
Communication	CAN / RS485	
Humidity	5% ~ 85%RH (No condensation)	
Work Temperature	-20 ~ +55°C	
Storage Temperature	-10 ~ +35°C	
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure	
Warranty *	10 years, 6000 cycles	10 years, 8000 cycles
Certification	CE; UN38.3; IEC62619	
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection	

@25°C, 90% DOD. 0.5C testing condition

Battery Storage

PSTACK (High voltage)



Features

-  9 Series per Stack: Up to 45 kWh per stack
-  10 Years Warranty: 6000 reliable cycles
-  Safe LFP Cells: Stable and fire-safe
-  Short Circuit Protection: Built-in safety

-  Remote Upgrade: Easy online updates
-  20 Stack Parallel: Expandable to large systems
-  High Voltage Battery: Higher efficiency and power

Model	PSTACK
Scalable Connection	2 ~ 9 pcs series per stack, up to 20 stack parallel
Battery module nominal voltage	70.4V
Battery module nominal capacity	72Ah
Battery module nominal energy	5.069kWh
Protection	IP65
Battery module voltage range	61.6V ~ 80.3V
Recommend charge / discharge current	36A, 0.5C per battery module
Max. continuous charge / discharge current	50.4A, 0.7C per battery module
Max. continuous charge / discharge power	3.548 kW per battery module
Series per stack	Max. 9 battery series, up to 45 kWh per stack
System expansion	10 stack parallel w/o extra device needed, 20 stack parallel with extra BAU installed
DOD	95%
Charging / Discharging temperature	0 ~ +55°C, -20 ~ +55°C
Recommend storage humidity	10% ~ 90%RH
Warranty *	10 years, 6000 cycles
Certification	CE; UN38.3; IEC62619
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure

*@25°C, 95% DOD, 0.5C testing condition

Battery Capacity	Voltage	Weight	Dimension
10 kWh	140.8 V	124 kg / 273.4 lbs	736 × 503.5 × 382 mm / 29.0 × 19.8 × 15.0 in
15 kWh	211.2 V	170 kg / 374.8 lbs	736 × 640.5 × 382 mm / 29.0 × 25.2 × 15.0 in
20 kWh	281.6 V	216 kg / 476.2 lbs	736 × 777.5 × 382 mm / 29.0 × 30.6 × 15.0 in
25 kWh	352.0 V	262 kg / 577.6 lbs	736 × 914.5 × 382 mm / 29.0 × 36 × 15.0 in
30 kWh	422.4 V	308 kg / 679 lbs	736 × 1051.5 × 382 mm / 29.0 × 41.4 × 15.0 in
35 kWh	492.8 V	354 kg / 780.4 lbs	736 × 1188.5 × 382 mm / 29.0 × 46.8 × 15.0 in
40 kWh	563.2 V	400 kg / 881.8 lbs	736 × 1325.5 × 382 mm / 29.0 × 52.2 × 15.0 in
45 kWh	633.6 V	446 kg / 983.2 lbs	736 × 1462.5 × 382 mm / 29.0 × 57.6 × 15.0 in

Battery Storage

C14 (High voltage)



Features

-  High Performance: 0.5C continuous power for stable energy supply
-  Modular Design: Flexible, stackable, and easily expandable
-  Long Lifespan: 6000 cycles with 280Ah capacity, 10-Year Warranty
-  Quick Installation: Fast deployment with modular setup

-  Reliable Backup: Ensures uninterrupted power for critical loads
-  Smart Integration: Real-time monitoring and intelligent management
-  IP65 cabinet (optional) for all-weather protection
-  Sustainability Ready: Supports renewable energy and carbon neutrality

Model	C14									
	100kWh	114kWh	129kWh	143kWh	157kWh	172kWh	186kWh	200kWh	215kWh	
Battery module	51.2V									
Rated voltage	44.8-56.8V									
Voltage range	280Ah									
Rated capacity	14.336kWh									
Rated energy	140A									
Rated charge / discharge current	504 x 781 x 236 mm / 108 kg									
Dimension (WxDxH) / Weight										
Battery Rack										
Battery Rack Configuration	7S	8S	9S	10S	11S	12S	13S	14S	15S	
Configuration	7 batt + 1 BCU	8 batt + 1 BCU	9 batt + 1 BCU	10 batt + 1 BCU	11 batt + 1 BCU	12 batt + 1 BCU	13 batt + 1 BCU	14 batt + 1 BCU	15 batt + 1 BCU	
Rated energy	100.352kWh	114.688kWh	129.024kWh	143.36kWh	157.696kWh	172.032kWh	186.368kWh	200.704kWh	215.04kWh	
Rated voltage	358.4V	409.6V	460.8V	512V	563.2V	614.4V	665.6V	716.8V	768V	
Voltage range	313.6-397.6V	358.4-454.4V	403.2-511.2V	448-568V	492.8-624.8V	537.6-681.6V	582.4-738.4V	627.2-795.2V	672-852V	
Rated charge / discharge	0.5C									
Display	7" Touch screen									
BMS	Included									
Communication	CAN									
Monitoring	RS485									
Dimension (WxDxH)	1048 x 748 x 1613 mm / 41.3 x 29.4 x 63.5 in						1048 x 748 x 2105 mm / 41.3 x 29.4 x 82.9 in			
Weight	890 kg / 1962.1 lbs	1000 kg / 2204.6 lbs	1110 kg / 2447.1 lbs	1215 kg / 2678.6 lbs	1325 kg / 2921.1 lbs	1500 kg / 3306.9 lbs	1605 kg / 3538.4 lbs	1725 kg / 3803.0 lbs	1850 kg / 4078.5 lbs	
Protection level	IP20									
LCD Display										
Cell voltage	Yes									
Cell high voltage	Yes									
Cell low voltage	Yes									
Cell temperature	Yes									
Charge and discharge current	Yes									
Total battery voltage	Yes									
Battery SOC	Yes									
Fault warning	Yes									
Protection										
Short circuit protection	Yes									
Over current protection	Yes									
Over charge protection	Yes									
Over discharge protection	Yes									
Cell over-vol protection	Yes									
Cell under-vol protection	Yes									
Over temperature protection	Yes									

Battery Storage

C5 (High voltage)



Features

 High Performance: 1C rate for reliable energy delivery with a 10-year warranty

 Reliable Backup: Ensures uninterrupted power for critical loads

 Modular Design: 15S & 20P configuration, flexible, stackable, and easily expandable

 Sustainability Ready: Supports renewable energy and carbon neutrality

 IP65 cabinet (optional) for all-weather protection

 Smart Integration: Real-time monitoring and intelligent management

 Quick Installation: Fast deployment with modular setup

 High Safety: LFP chemistry for ultra-safe operation
Long Lifespan: 6000 cycles with 100Ah capacity

Model	C5									
Battery module	10.24kWh	15.36kWh	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.20kWh	
Type	LFP									
Rated voltage	51.2V									
Voltage range	44.8-56.8V									
Rated capacity	100Ah									
Rated energy	5.12kWh									
Rated charge / discharge current	100A									
Dimension (WxDxH) / Weight	474 x 585 x 178 mm / 51.35 kg									

Battery Rack	2S	3S	4S	5S	6S	7S	8S	9S	10S
Voltage range	92.8-113.6V	139.2-170.44V	185.6-227.2V	232-284V	278.4-340.8V	324.8-397.6V	371.2-454.4V	417.6-511.2V	464-568V
Rated charge / discharge	1C								
Display	7" Touch screen								
BCU&BAU	Included								
Communication	CAN								
Monitoring	CAN								
Protection level	IP20								

LCD Display	Cell voltage	Cell high voltage	Cell low voltage	Cell temperature	Charge and discharge current	Total battery voltage	Battery SOC	Fault warning
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Protection	Short circuit protection	Over current protection	Over charge protection	Over discharge protection	Cell over-vol protection	Cell under-vol protection	Over temperature protection
	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Battery Capacity	Voltage	Weight	Dimension
10.24 kWh	102.44 V	145.1 kg / 319.9 lbs	554 x 604 x 690 mm / 21.8 x 23.8 x 27.2 in
15.36 kWh	153.64 V	202.6 kg / 446.9 lbs	554 x 604 x 897 mm / 21.8 x 23.8 x 35.4 in
20.48 kWh	204.8 V	260.1 kg / 573.9 lbs	554 x 604 x 1104 mm / 21.8 x 23.8 x 43.5 in
25.60 kWh	256.0 V	317.6 kg / 700.3 lbs	554 x 604 x 1311 mm / 21.8 x 23.8 x 51.6 in
30.72 kWh	307.24 V	375.1 kg / 827.0 lbs	554 x 604 x 1518 mm / 21.8 x 23.8 x 59.7 in
35.84 kWh	358.4 V	432.6 kg / 953.7 lbs	554 x 604 x 1725 mm / 21.8 x 23.8 x 67.9 in
40.96 kWh	409.64 V	490.1 kg / 1080.6 lbs	554 x 604 x 1932 mm / 21.8 x 23.8 x 76.1 in
46.08 kWh	460.84 V	547.6 kg / 1207.1 lbs	554 x 604 x 2139 mm / 21.8 x 23.8 x 84.2 in
51.20 kWh	512.0 V	605.1 kg / 1334.5 lbs	554 x 604 x 2346 mm / 21.8 x 23.8 x 92.4 in



Application Cases

