

YOUR RELIABLE ENERGY SOLUTION PARTNER

2026/

Residential & Commercial Energy Storage Battery

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V2601

LOW VOLTAGE

• Li Series



Li-5 **P01**



Li-11.8 **P01**



Li-Eco 7.5/15 **P01**



Li-Stack **P03**

• PGEM Series



PGEM **P05**



PGEM PRO **P05**



PGEM MAX **P05**

• PSHIELD Series



PSHIELD **P07**



PSHIELD MAX **P07**

HIGH VOLTAGE

• PSTACK Series



PSTACK **P09**

• C Series

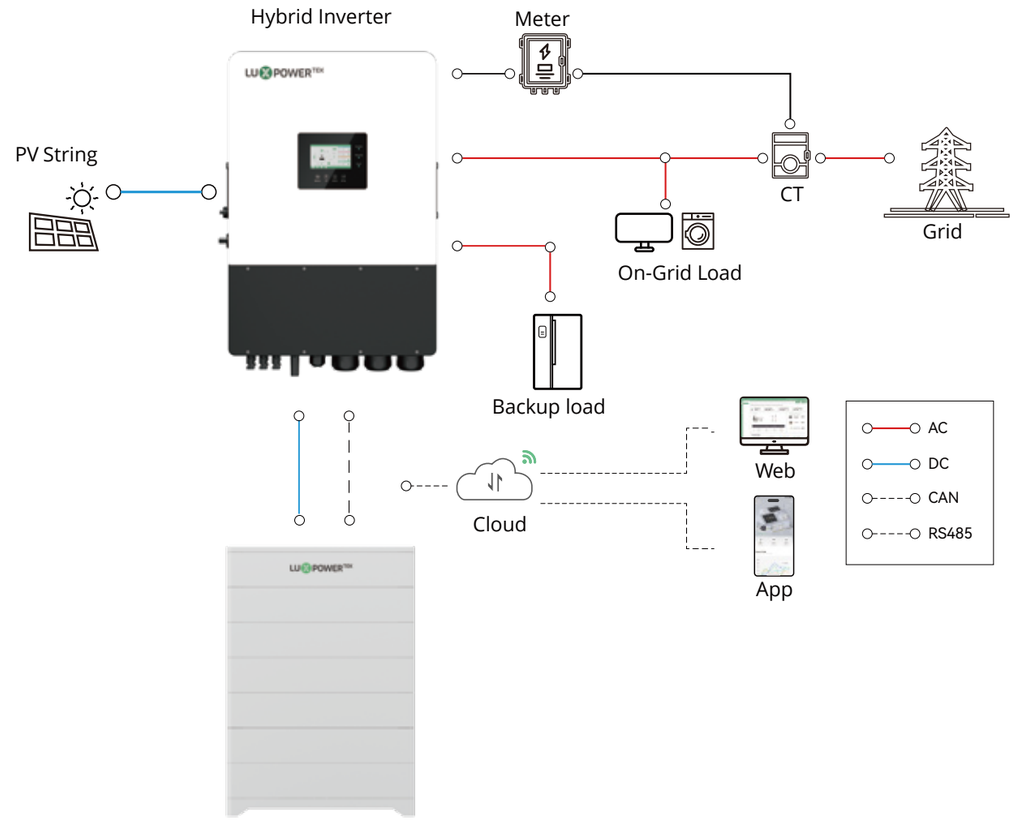


C14 **P11**



C5 **P13**

ENERGY STORAGE SOLUTION





Residential

Self-consumption
+ Backup power



Commercial

Demand reduction
+ Energy cost saving



Remote Area

Off-grid energy
independence

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



Features

Long Lifespan & 10-Year Warranty
Reliable performance with ultra-safe $LiFePO_4$ cells.

Remote Monitoring & Upgrade
Smart BMS enables real-time diagnostics and firmware updates.

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

Flexible Scalability
Supports up to 32–35 modules in parallel for higher capacity.

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

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-Eco 7.5	Li-Eco 15
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)	50A	100A	140A	140A
	(Max. Continuous)	100A	100A	140A	140A
	(Peak 1)	105A (Peak1 15s)		160A (Peak1 15s) / 160A (Peak1 5min)	
	(Peak 2)	110A (Peak2 500ms) / 150A (Peak2 500ms)		180A (Peak2 500ms) / 200A (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)		438 × 165 × 546 mm 17.24 × 6.5 × 21.5 in	396 × 229× 600 mm 15.6 × 9.0 × 23.6 in	463 × 452 × 225 mm 18.2 × 17.8 × 8.9 in	706 × 452 × 225 mm 27.8 × 17.8 × 8.9 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℃, 90% DOD. 0.5C testing condition

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℃, 90% DOD. 0.5C testing condition

PGEM/PGEM PRO/PGEM MAX (Low voltage)



Features

Ultra Safe LFP Material
Long-lifespan $LiFePO_4$ 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
Charge/ Discharge Current	(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℃, 90% DOD. 0.5C testing condition

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 LiFePO 4cells 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
Charge/ Discharge Current	(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℃, 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℃, 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
- Reliable Backup: Ensures uninterrupted power for critical loads
- Modular Design: Flexible, stackable, and easily expandable
- Smart Integration: Real-time monitoring and intelligent management
- Long Lifespan: 6000 cycles with 280Ah capacity, 10-Year Warranty
- IP65 cabinet (optional) for all-weather protection
- Quick Installation: Fast deployment with modular setup
- Sustainability Ready: Supports renewable energy and carbon neutrality

Model	C14								
Battery module	100kWh	114kWh	129kWh	143kWh	157kWh	172kWh	186kWh	200kWh	215kWh
Rated voltage	51.2V								
Voltage range	44.8-56.8V								
Rated capacity	280Ah								
Rated energy	14.336kWh								
Rated charge / discharge current	140A								
Dimension (W×D×H) / Weight	504 × 781 × 236 mm / 108 kg								
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 (W×D×H)	1048 × 748 × 1613 mm / 41.3 × 29.4 × 63.5 in					1048 × 748 × 2105 mm / 41.3 × 29.4 × 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								

C5 (High voltage)



Features

- High Performance: 1C rate for reliable energy delivery with a 10-year warranty
- Modular Design: 15S & 20P configuration, flexible, stackable, and easily expandable
- IP65 cabinet (optional) for all-weather protection
- Quick Installation: Fast deployment with modular setup
- Reliable Backup: Ensures uninterrupted power for critical loads
- Sustainability Ready: Supports renewable energy and carbon neutrality
- Smart Integration: Real-time monitoring and intelligent management
- 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 (W×D×H) / Weight	474 × 585 × 178 mm / 51.35 kg								
Battery Rack									
Battery Rack Configuration	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	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 Capacity	Voltage	Weight	Dimension
10.24 kWh	102.44 V	145.1 kg / 319.9 lbs	554 × 604 × 690 mm / 21.8 × 23.8 × 27.2 in
15.36 kWh	153.64 V	202.6 kg / 446.9 lbs	554 × 604 × 897 mm / 21.8 × 23.8 × 35.4 in
20.48 kWh	204.8 V	260.1 kg / 573.9 lbs	554 × 604 × 1104 mm / 21.8 × 23.8 × 43.5 in
25.60 kWh	256.0 V	317.6 kg / 700.3 lbs	554 × 604 × 1311 mm / 21.8 × 23.8 × 51.6 in
30.72 kWh	307.24 V	375.1 kg / 827.0 lbs	554 × 604 × 1518 mm / 21.8 × 23.8 × 59.7 in
35.84 kWh	358.4 V	432.6 kg / 953.7 lbs	554 × 604 × 1725 mm / 21.8 × 23.8 × 67.9 in
40.96 kWh	409.64 V	490.1 kg / 1080.6 lbs	554 × 604 × 1932 mm / 21.8 × 23.8 × 76.1 in
46.08 kWh	460.84 V	547.6 kg / 1207.1 lbs	554 × 604 × 2139 mm / 21.8 × 23.8 × 84.2 in
51.20 kWh	512.0 V	605.1 kg / 1334.5 lbs	554 × 604 × 2346 mm / 21.8 × 23.8 × 92.4 in

Application Cases













