



YOUR RELIABLE ENERGY SOLUTION PARTNER

2026/

Lux Power Technology Co., Ltd

Headquarter: +86 755 8520 9056
www.luxpowertek.com
Contact us: sales@luxpowertek.com



Website



LinkedIn



Facebook



YouTube

**Residential & Commercial
Energy Storage Battery**

CONTENTS

LOW VOLTAGE

• Li Series P01-02



Li-5

Li-10

• Li-e Series P03-04



Li-5e

Li-7.5e

Li-15e

• PGEM Series P05-06



PGEM

PGEM 10

PGEM PRO

PGEM MAX

• PSHIELD Series P07-08



PSHIELD

PSHIELD MAX

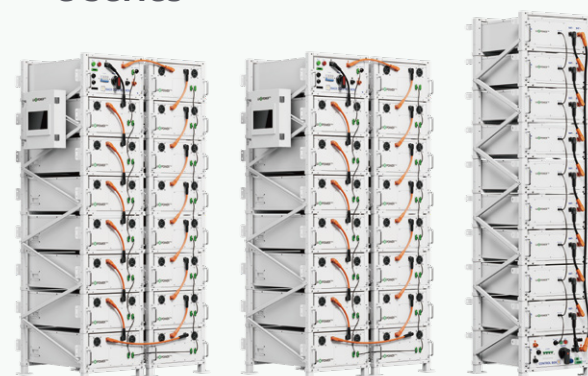
HIGH VOLTAGE

• PSTACK P09-10



PSTACK

• C Series P11-16

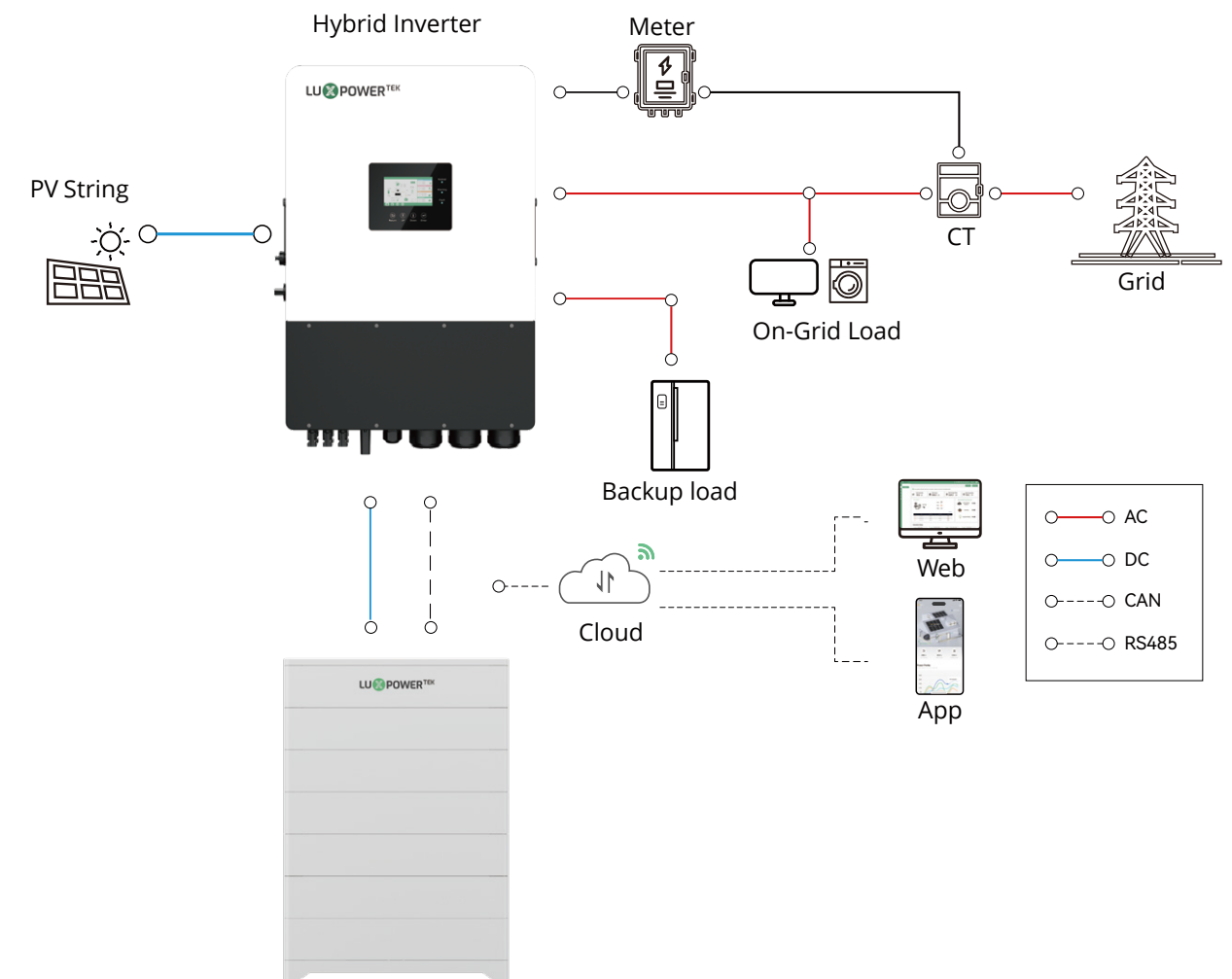


C16 P11-12

C14 P13-14

C5 P15-16

ENERGY STORAGE SOLUTION



Residential

Self-consumption
+ Backup power



Commercial

Demand reduction
+ Energy cost saving



Remote Area

Off-grid energy
independence



Li Series

(Low Voltage)

Features

- 

WiFi & Bluetooth
Easy local and remote configuration
- 

Flexible Scalability
Up to 50 modules in parallel
- 

Smart BMS
Advanced multi-layer protection
- 

Wall-Mount Brackets Included
Ready for quick wall installation
- 

Remote Monitoring
Real-time diagnostics and OTA updates
- 

10-Year Warranty
Reliable LiFePO4 performance
- 

1C Performance ①
Fast charging and discharging
- 

Seamless Integration
Optimized for LuxpowerTek inverters
- 

Built-in Fire Suppression
Automatic fire protection for enhanced safety

Model		Li-5	Li-10
Electrical			
Rated Energy		5.12kWh	10.496kWh
Rated Capacity		100Ah	205Ah
Rated Voltage		51.2V	51.2V
Charge/Discharge Current	Recommend	50A	140A
	Max. Continuous	100A	TBD
	Peak 1	105A (15s)	TBD
	Peak 2	110A (500ms) / 150A (500ms)	TBD
Charge/Discharge Rate		1C	0.7C
General			
Cell Type		LFP	
Parallel		Up to 50 units parallel without extra device needed, 256 units parallel with hub, 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	440 × 229 × 565mm 17.32 × 9.02 × 22.24 in
Weight		49.4 kg / 108.9 lbs	77 kg / 169.76 lbs
IP Level		IP20	
Cycle Life		≥6000 Cycles	
Communication		CAN / RS485	
Robust Applications		Auto-addressing and stronger protection	
Wifi / Bluetooth		Built-in	
Fire Suppression		Built-in	
Wall-mounted Bracket		Included	
Humidity		5% ~ 85%RH (No condensation)	
Work Charge / Discharge Temperature		0 ~ +55°C / -20 ~ +55°C	
Storage Temperature		-10 ~ +35°C	
Remote Maintenance		Flexible remote monitor and maintenance, Original firmware backup to prevent upgrade failure	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty ②		10 years, 6000 cycles	
Certification		CE; UN38.3; IEC62619	TBD
Protection		Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection	

①: Available on Li-5 model
②: @25°C, 90% DOD. 0.5C testing condition

Li-e Series

(Low Voltage)



Features

- WiFi & Bluetooth**
Easy local and remote configuration
- 5-Year Warranty**
Reliable LiFePO4 performance
- Flexible Scalability**
Up to 50 modules in parallel
- Remote Monitoring**
Real-time diagnostics and OTA updates
- Smart BMS**
Advanced multi-layer protection
- Seamless Integration**
Optimized for LuxpowerTek inverters
- Wall-Mount Brackets Included**
Ready for quick wall installation
- Built-in Fire Suppression**
Automatic fire protection for enhanced safety

Model		Li-5e	Li-7.5e	Li-15e
Electrical				
Rated Energy		5.248kWh	7.5kWh	15kWh
Rated Capacity		205Ah	300Ah	300Ah
Rated Voltage		25.6V	25.6V	51.2V
Charge/Discharge Current	Recommend	140A	140A	140A
	Max. Continuous	TBD	140A	140A
	Peak 1	TBD	150A (15s) / 150A (120s)	
	Peak 2	TBD	180A (500ms) / 200A (500ms)	
Charge/Discharge Rate		0.7C	0.5C	
General				
Cell Type		LFP		
Parallel		Up to 50 units parallel without extra device needed, 256 units parallel with hub, slave battery drops offline or come back alive does not affect system running		
Dimension (W × H × D)		439 × 225 × 379 mm 17.28 × 8.86 × 14.92 in	452 × 225 × 463 mm 17.8 × 8.9 × 18.23 in	452 × 225 × 743mm 17.8 × 8.9 × 29.25 in
Weight		44 kg / 97 lbs	55.67 kg / 122.73 lbs	104.9 kg / 231.26 lbs
IP Level		IP20		
Cycle Life		≥6000 Cycles		
Communication		CAN / RS485		
Robust Applications		Auto-addressing and stronger protection		
Wifi / Bluetooth		Built-in		
Fire Suppression		Built-in		
Wall-mounted Bracket		Optional	Included	
Humidity		5% ~ 85%RH (No condensation)		
Work Charge / Discharge Temperature		0 ~ +55°C / -20 ~ +55°C		
Storage Temperature		-10 ~ +35°C		
Remote Maintenance		Flexible remote upgrade, Original firmware backup to prevent upgrade failure		
Warranty ①		5 years, 6000 cycles		
Certification		TBD	CE; UN38.3	CE; UN38.3; IEC62619
Protection		Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection		

①: @25°C, 90% DOD. 0.5C testing condition

PGEM Series

(Low Voltage)



Features

- 

WiFi & Bluetooth
Easy local and remote configuration
- 

Flexible Scalability
Up to 50 modules in parallel
- 

Smart BMS
Advanced multi-layer protection
- 

1C Performance ①
Fast charging and discharging
- 

10-Year Warranty
Reliable LiFePO4 performance
- 

Remote Monitoring
Real-time diagnostics and OTA updates
- 

Perfect Inverter Match
Seamless integration with LuxpowerTek inverters
- 

Built-in Fire Suppression
Rapid fire response for added protection

Model		PGEM	PGEM 10	PGEM PRO	PGEM MAX
Electrical					
Rated Energy		5.12kWh	10.496kWh	14.3kWh	16.076kWh
Rated Capacity		100Ah	205Ah	280Ah	314Ah
Rated Voltage		51.2V	51.2V	51.2V	51.2V
Charge/ Discharge Current	Recommend	50A	TBD	140A	160A
	Max. Continuous	100A	TBD	140A	160A/200A
	Peak 1	105A (15s)	TBD	160A (15s) / 160A (300s)	180A (15s) / 210A (120s)
	Peak 2	110A (500ms) / 150A (500ms)	TBD	180A (500ms) / 200A (500ms)	200A (500ms) / 220A (500ms)
Charge/Discharge Rate		1C	TBD	0.5C	
General					
Cell Type		LFP			
Parallel		Up to 50 units parallel without extra device needed, 256 units parallel with hub, 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	390 × 645 × 230 mm 15.35 × 25.39 × 9.06 in	475 × 900× 237.5 mm 18.7 × 35.4 × 9.35 in	445 × 900 × 235 mm 17.5 × 35.4 × 9.25 in
Weight		51.45 kg / 113.43 lbs	80 kg / 176.37 lbs	120 kg / 264.55 lbs	113 kg / 249.12 lbs
IP Level		IP20			
Cycle Life		≥6000 Cycles		≥8000 Cycles	
Communication		CAN / RS485			
Robust Applications		Auto-addressing and stronger protection			
Wifi / Bluetooth		Built-in			
Fire Suppression		Built-in			
Humidity		5% ~ 85%RH (No condensation)			
Work Charge/DischargeTemperature		0 ~ +55°C / -20 ~ +55°C			
Storage Temperature		-10 ~ +35°C			
Remote Maintenance		Flexible remote upgrade, Original firmware backup to prevent upgrade failure		Flexible remote monitor and maintenance, Original firmware backup to prevent upgrade failure	
Warranty ②		10 years, 6000 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			

①: Available on PGEM model
②: @25°C, 90% DOD. 0.5C testing condition



PSHIELD Series

(Low Voltage)

Features

- 

IP65 Outdoor Protection
Sealed enclosure for reliable outdoor use
- 

Flexible Scalability
Up to 32-50 modules in parallel
- 

Smart BMS
Advanced multi-layer protection
- 

Remote Monitoring
Real-time diagnostics and OTA updates
- 

Flexible Installation (MAX Only)
Optional wheels or standing feet
- 

10-Year Warranty
Reliable LiFePO4 performance
- 

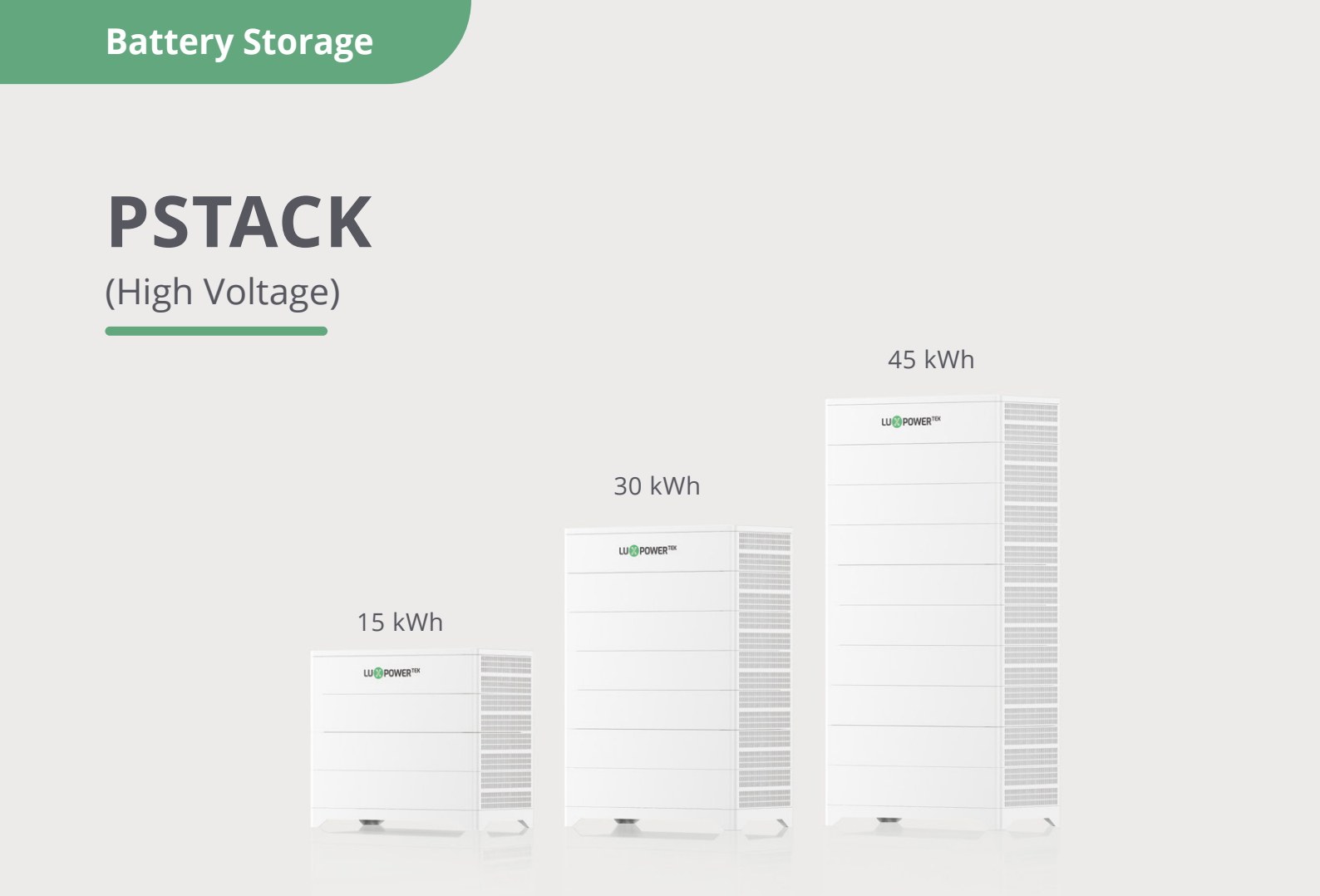
High Power Output ①
Up to 200A continuous discharge
- 

Built-in Heating
Ensures stable charging in low temperatures
- 

Built-in Fire Suppression
Automatic fire protection for enhanced safety

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 (15s)	180A (15s) / 210A (120s)
	Peak 2	110A (500ms) / 150A (500ms)	200A (500ms) / 220A (500ms)
Charge/Discharge Rate		1C	0.5C
General			
Cell Type		LFP	
Parallel		Up to 50 units parallel without extra device needed, 256 units parallel with hub, slave battery drops offline or come back alive does not affect system running	Up to 32 units parallel without extra device needed, 256 units parallel with hub, 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 × 900 × 235 mm 18.7 × 35.4 × 9.25 in
Weight		60 kg / 132.28 lbs	119 kg / 263.35 lbs
IP Level		IP65	
Cycle Life		≥6000 Cycles	≥8000 Cycles
Wifi/Bluetooth		Built-in	\
Fire Suppression		Built-in	
Heating System		Optional	
Robust Applications		Auto-addressing and stronger protection	
Communication		CAN / RS485	
Humidity		5% ~ 85%RH (No condensation)	
Work Charge/Discharge Temperature		0 ~ +55°C / -20 ~ +55°C	
Storage Temperature		-10 ~ +35°C	
Remote Maintenance		Flexible remote monitor and maintenance, Original firmware backup to prevent upgrade failure	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty ②		10 years, 6000 cycles	10 years, 6000 cycles
Certification		CE; UN38.3; IEC62619	CE; UN38.3; IEC62619; UL1973; UL9540; FCC
Protection		Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection	

①: Available on PSHIELD MAX model
②: @25°C, 90% DOD. 0.5C testing condition



PSTACK

(High Voltage)

Features

- 

9 Series per Stack
Up to 45 kWh per stack
- 

10-Year Warranty
6000-cycle reliable LFP cells
- 

20 Stack Parallel
Expandable to large systems
- 

High Voltage Battery
Higher efficiency and power
- 

Built-in Fire Suppression
Automatic fire protection for enhanced safety
- 

Built-in Safety
Short circuit protection
- 

Remote Upgrade
Easy online updates

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 without extra device needed, 20 stack parallel with extra BAU installed
Cycle life	≥6000 cycles
DOD	95%
Charging / Discharging temperature	0 ~ +55°C, -20 ~ +55°C
Recommend storage humidity	10% ~ 90%RH
Warranty ①	10 years, 6000 cycles
Certification	CE; UN38.3; IEC62619
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure

①: @25°C, 90% 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

C16

(High Voltage)



Features

- Modular Design**
Flexible, stackable, and easily expandable
- Smart Integration**
Real-time monitoring and intelligent management
- Quick Installation**
Fast deployment with modular setup
- Sustainability Ready**
Supports renewable energy and carbon neutrality

- 10-Year Warranty**
8000 cycles with 314Ah capacity
- High Performance**
0.5C continuous power for stable energy supply
- Reliable Backup**
Ensures uninterrupted power for critical loads
- Built-in Fire Suppression**
Automatic fire protection for enhanced safety

Model	C16
Rated voltage	51.2V
Voltage range	46.4-56.8V
Rated capacity	314Ah
Rated energy	16.076kWh
Rated charge / discharge current	157A
Dimension (W×D×H) / Weight	504 × 781 × 236 mm / 113 kg
Rated charge / discharge	0.5C
Display	7" Touch screen LCD
BMS	Included
Communication	CAN
Monitoring	CAN
Protection level	IP20
Protection	Short circuit protection / Over current protection / Over charge protection / Over discharge protection / Cell over-vol protection / Cell under-vol protection / Over temperature protection
Certification	CE; UN38.3

Battery Rack	Configuration	Rated energy	Rated voltage	Voltage range	Weight	Dimension (W×D×H)
3S	3 batt + 1 BCU	48.228KWh	153.64V	139.2-170.44V	409kg/ 901.7 lbs	582 × 805 × 1161 mm / 22.9 × 31.7 × 45.9 in
4S	4 batt + 1 BCU	64.304KWh	204.8V	185.6-227.2V	529.25kg/ 1166.8 lbs	582 × 805 × 1430 mm / 22.9 × 31.7 × 56.3 in
5S	5 batt + 1 BCU	80.38KWh	256V	232-284V	649.5kg/ 1431.9 lbs	582 × 805 × 1699 mm / 22.9 × 31.7 × 66.9 in
6S	6 batt + 1 BCU	96.456KWh	307.2V	278.4-340.8V	769.75kg/ 1694.8 lbs	582 × 805 × 1968 mm / 22.9 × 31.7 × 77.5 in
7S	7 batt + 1 BCU	112.532KWh	358.4V	324.8-397.6V	890kg/1962.1 lbs	582 × 805 × 2237 mm / 22.9 × 31.7 × 88.1 in
8S	8 batt + 1 BCU	128.608KWh	409.6V	371.2-454.4V	1013.25kg /2233.8 lbs	Depends on structural design
9S	9 batt + 1 BCU	144.684KWh	460.8V	417.6-511.2V	1133.5kg/2498.9 lbs	
10S	10 batt + 1 BCU	160.76KWh	512V	464-568V	1253.75kg / 2764.1 lbs	
11S	11 batt + 1 BCU	176.836KWh	563.2V	510.4-624.8V	1374kg/ 3029.2 lbs	
12S	12 batt + 1 BCU	192.912KWh	614.4V	556.8-681.6V	1494.25kg/ 3395.1 lbs	
13S	13 batt + 1 BCU	208.988KWh	665.6V	603.2-738.4V	1614.5kg / 3294.3 lbs	1164 × 805 × 1968 mm / 45.8 × 31.7 × 77.5 in
14S	14 batt + 1 BCU	225.064KWh	716.8V	649.6-795.2V	1734.75kg/ 3824.5 lbs	1164 × 805 × 2237 mm / 45.8 × 31.7 × 88.1 in
15S	15 batt + 1 BCU	241.14KWh	768V	696-852V	1855kg/ 4089.6 lbs	

C14

(High Voltage)



Features



Modular Design
Flexible, stackable, and easily expandable



Smart Integration
Real-time monitoring and intelligent management



Quick Installation
Fast deployment with modular setup



Sustainability Ready
Supports renewable energy and carbon neutrality



Indoor&Outdoor Use
Versatile for all environments



10-Year Warranty
8000 cycles with 280Ah capacity



High Performance
0.5C continuous power for stable energy supply



Reliable Backup
Ensures uninterrupted power for critical loads



Built-in Fire Suppression
Automatic fire protection for enhanced safety

Model	C14
Rated voltage	51.2V
Voltage range	46.4-56.8V
Rated capacity	280Ah
Rated energy	14.336kWh
Rated charge / discharge current	140A
Dimension (W×D×H) / Weight	504 × 781 × 236 mm / 110 kg
Rated charge / discharge	0.5C
Display	7" Touch screen
BMS	Included
Communication	CAN
Monitoring	CAN
Protection level	IP20
Certification	CE; UN38.3
Protection	Short circuit protection, Over current protection, Over charge protection, Over discharge protection Cell over-vol protection, Cell under-vol protection, Over temperature protection

Battery Rack	Configuration	Rated energy	Rated voltage	Voltage range	Weight	Dimension (W×D×H)
3S	3 batt + 1 BCU	43.008KWh	153.64V	139.2-170.44V	450kg/ 992.1 lbs	1048 × 748 × 1613 mm / 41.3 × 29.4 × 63.5 in
4S	4 batt + 1 BCU	57.344KWh	204.8V	185.6-227.2V	560kg/ 1234.6 lbs	
5S	5 batt + 1 BCU	71.68KWh	256V	232-284V	670kg/ 1477.1 lbs	
6S	6 batt + 1 BCU	86.016KWh	307.2V	278.4-340.8V	780kg/ 1719.6 lbs	
7S	7 batt + 1 BCU	100.352KWh	358.4V	324.8-397.6V	890kg/1962.1 lbs	
8S	8 batt + 1 BCU	114.688KWh	409.6V	371.2-454.4V	1000kg/2204.6 lbs	
9S	9 batt + 1 BCU	129.024KWh	460.8V	417.6-511.2V	1100kg/2447.1 lbs	
10S	10 batt + 1 BCU	143.36KWh	512V	464-568V	1210kg/ 2667.6 lbs	1048 × 748 × 2105 mm / 41.3 × 29.4 × 82.9 in
11S	11 batt + 1 BCU	157.696KWh	563.2V	510.4-624.8V	1320kg/ 2910.1 lbs	
12S	12 batt + 1 BCU	172.032KWh	614.4V	556.8-681.6V	1540kg/ 3395.1 lbs	
13S	13 batt + 1 BCU	186.368KWh	665.6V	603.2-738.4V	1650kg/ 3637.6 lbs	
14S	14 batt + 1 BCU	200.704KWh	716.8V	649.6-795.2V	1760kg/ 3380.1 lbs	
15S	15 batt + 1 BCU	215.04KWh	768V	696-852V	1870kg/ 4122.6 lbs	

C5

(High Voltage)



Features



Modular Design

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



Smart Integration

Real-time monitoring and intelligent management



Quick Installation

Fast deployment with modular setup



Sustainability Ready

Supports renewable energy and carbon neutrality



Indoor&Outdoor Use

Suitable for all environments



10-Year Warranty

6000 cycles with 100Ah capacity



High Performance

1C rate for reliable energy delivery



Reliable Backup

Ensures uninterrupted power for critical loads



Built-in Fire Suppression

Automatic fire protection for enhanced safety

Model	C5
Rated voltage	51.2V
Voltage range	46.4-56.8V
Rated capacity	100Ah
Rated energy	5.12kWh
Rated charge / discharge current	100A
Dimension (W×D×H) / Weight	474 × 585 × 178 mm / 51.35 kg
Rated charge / discharge	1C
Display	7" Touch screen
BMS	Included
Communication	CAN
Monitoring	CAN
Protection level	IP20
Certification	CE; UN38.3
Protection	Short circuit protection, Over current protection, Over charge protection, Over discharge protection Cell over-vol protection, Cell under-vol protection, Over temperature protection

Battery Rack	Configuration	Rated energy	Rated voltage	Voltage range	Weight	Dimension (W×D×H)
2S	2 batt + 1 BCU	10.24KWh	102.44V	92.8~113.6V	145.1 kg/ 319.9 lbs	554 × 604 × 690 mm / 21.8 × 23.8 × 27.2 in
3S	3 batt + 1 BCU	15.36KWh	153.64V	139.2-170.44V	202.6 kg/ 446.7 lbs	554 × 604 × 897 mm / 21.8 × 23.8 × 35.3 in
4S	4 batt + 1 BCU	20.48KWh	204.8V	185.6-227.2V	260.1 kg/ 573.4 lbs	554 × 604 × 1104 mm / 21.8 × 23.8 × 43.5 in
5S	5 batt + 1 BCU	25.60KWh	256V	232-284V	317.6 kg/ 700.2 lbs	554 × 604 × 1311 mm / 21.8 × 23.8 × 51.6 in
6S	6 batt + 1 BCU	30.72KWh	307.24V	278.4-340.8V	375.1 kg/ 827 lbs	554 × 604 × 1518 mm / 21.8 × 23.8 × 59.8 in
7S	7 batt + 1 BCU	35.84KWh	358.4V	324.8-397.6V	432.6 kg/ 953.7 lbs	554 × 604 × 1725 mm / 21.8 × 23.8 × 67.9 in
8S	8 batt + 1 BCU	40.96KWh	409.64V	371.2-454.4V	490.1 kg/ 1080.5 lbs	554 × 604 × 1932 mm / 21.8 × 23.8 × 76.1 in
9S	9 batt + 1 BCU	46.08KWh	460.84V	417.6-511.2V	547.6 kg/ 1207.3 lbs	554 × 604 × 2139 mm / 21.8 × 23.8 × 84.2 in
10S	10 batt + 1 BCU	51.20KWh	512V	464-568V	TBD	TBD
11S	11 batt + 1 BCU	56.32kWh	563.2V	510.4-624.8V	TBD	TBD
12S	12 batt + 1 BCU	61.44kWh	614.4V	556.8-681.6V	TBD	TBD
13S	13 batt + 1 BCU	66.56kWh	665.6V	603.2-738.4V	TBD	TBD
14S	14 batt + 1 BCU	71.68kWh	716.8V	649.6-795.2V	TBD	TBD
15S	15 batt + 1 BCU	76.8kWh	768V	696-852V	TBD	TBD

Application Cases

Widely applied in a variety of scenarios to provide reliable, efficient and sustainable energy solutions.





High Safety



Flexible Expansion



Easy Operation



Smart Monitoring



Clean Energy