



YOUR RELIABLE ENERGY SOLUTION PARTNER

2026/

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**Residential & Commercial
Energy Storage Battery**

LOW VOLTAGE

• Li Series



Li-5 P01

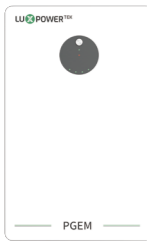


Li-7.5e P01

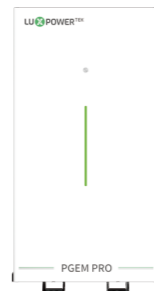


Li-15e P01

• PGEM Series



PGEM P03

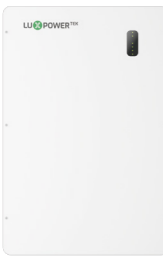


PGEM PRO P03



PGEM MAX P03

• PSHIELD Series



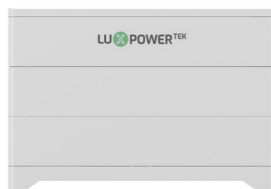
PSHIELD P05



PSHIELD MAX P05

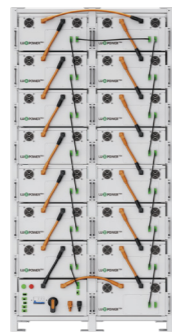
HIGH VOLTAGE

• PSTACK Series

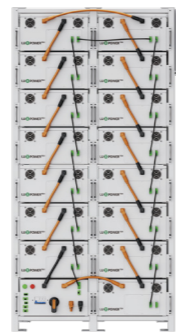


PSTACK P07

• C Series



C16 P09

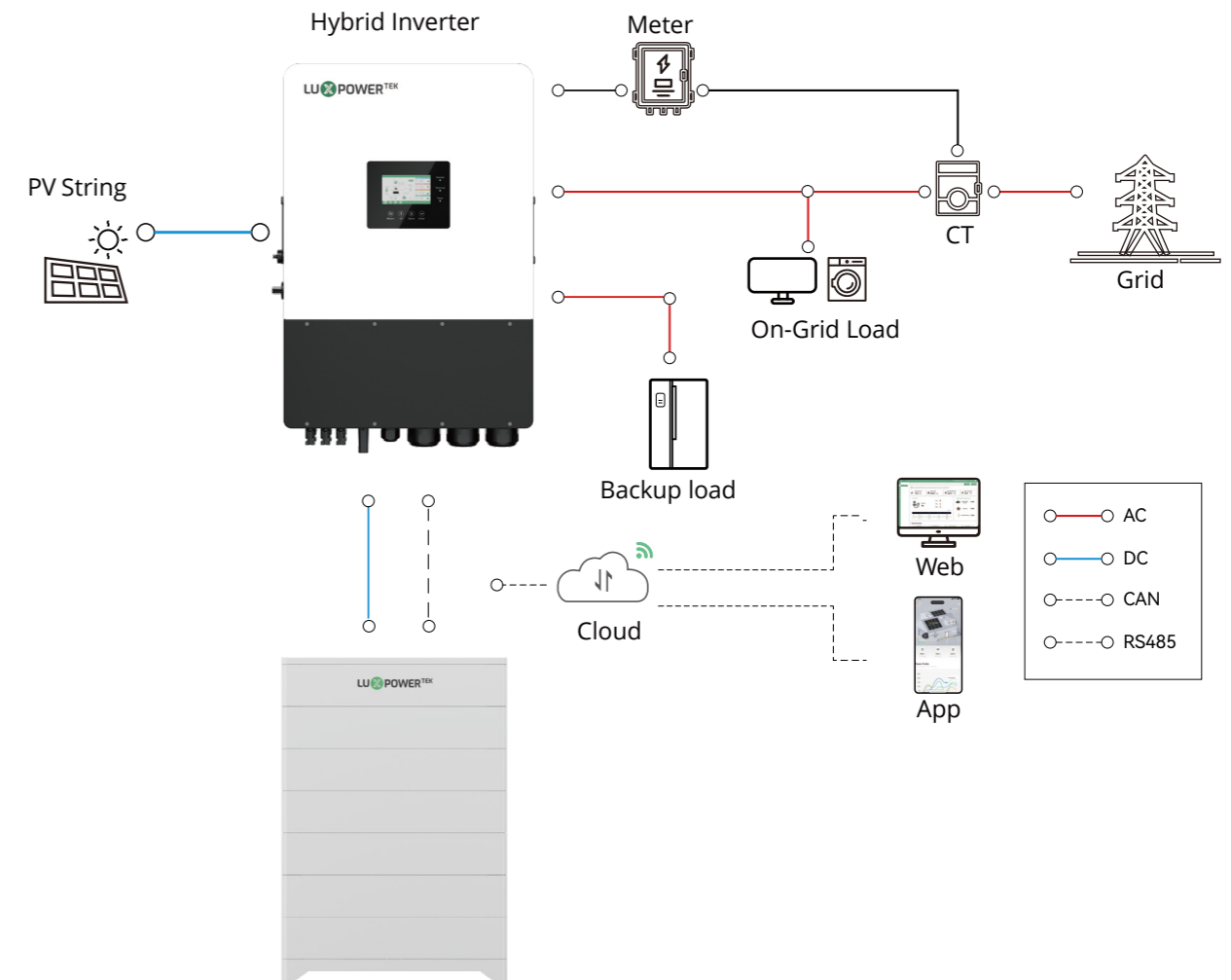


C14 P11



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



Features

- High Efficiency**
 Up to 1C charge/discharge rate ensures stable, fast power delivery
- Long Lifespan & 10-Year Warranty**
 Reliable performance with ultra-safe LiFePO₄ cells
- Smart BMS Management**
 Comprehensive safety for overcharge, over-discharge, and short circuit
- Enhanced Fire Safety**
 Integrated fire protection with built-in suppression module
- Remote Monitoring & Upgrade**
 Smart BMS enables real-time diagnostics and firmware updates
- Flexible Scalability**
 Supports up to 35-50 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-7.5e	Li-15e
Electrical			
Rated Energy	5.12kWh	7.5kWh	15kWh
Rated Capacity	100Ah	300Ah	300Ah
Rated Voltage	51.2V	25.6V	51.2V
Charge/Discharge Current	(Recommend)	50A	140A
	(Max. Continuous)	100A	140A
	(Peak 1)	105A (Peak1 15s)	150A (Peak1 15s) / 150A (Peak1 120s)
	(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 50 units parallel w/o extra device needed, 256 units parallel with hub, 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	452 × 225 × 463 mm 17.8 × 8.9 × 18.23 in	452 × 225 × 743mm 17.8 × 8.9 × 29.25 in
Weight	49.4 kg / 108.9 lbs	55.67 kg / 122.73 lbs	104.9 kg / 231.26 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 monitor and maintenance, Original firmware backup to prevent upgrade failure	Flexible remote upgrade, Original firmware backup to prevent upgrade failure	
Warranty *	10 years, 6000 cycles	5 years, 6000 cycles	
Certification	CE; UN38.3; IEC62619	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		

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

PGEM/PGEM PRO/PGEM MAX (Low voltage)



Features



Ultra Safe LFP Material
Long-lifespan LiFePO₄ cells with over 8000 cycles.



Remote Upgrade & Active Balancing
Real-time monitoring, remote firmware updates, and low self-consumption.



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



Parallel Scalability
Supports up to 32-50 modules in parallel for flexible capacity expansion.



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



Wall-mounted Compact Design
Sleek and space-saving, ideal for residential energy storage.



Enhanced Fire Safety
Integrated fire protection with built-in suppression module.



Installer-Friendly Design
Stackable and multi-mount installation options (PGEM MAX only)

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
	(Max. Continuous)	100A	140A
	(Peak 1)	105A (Peak1 15s)	160A (Peak1 15s) / 160A (Peak1 300s)
	(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 50 units parallel w/o 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 w/o extra device needed, 256 units parallel with hub, slave battery drops offline or come back alive does not affect system running	Up to 50 units parallel w/o 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	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	120 kg / 264.55 lbs	113 kg / 249.12 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 monitor and maintenance, Original firmware backup to prevent upgrade failure	Flexible remote upgrade, Original firmware backup to prevent upgrade failure	Flexible remote monitor and maintenance, 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

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 32-50 modules in parallel, with auto-addressing for easy system expansion.



Smart BMS Management

Multi-level safety for overcharge, over-discharge, short circuit, and temperature control.



Enhanced Fire Safety

Integrated fire protection with built-in suppression module

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 120s)
	(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 50 units parallel w/o 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 w/o 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	56.65 kg / 124.89 lbs	119 kg / 263.35 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, heating system built-in	
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 *	10 years, 6000 cycles	10 years, 8000 cycles
Certification	CE; UN38.3; IEC62619	CE; UN38.3; IEC62619; UL1973; UL9540, FCC, IP65
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
-  Remote Upgrade: Easy online updates
-  10 Years Warranty: 6000 reliable cycles
-  20 Stack Parallel: Expandable to large systems
-  Safe LFP Cells: Stable and fire-safe
-  High Voltage Battery: Higher efficiency and power
-  Short Circuit Protection: Built-in safety
-  Enhanced Fire Safety: Integrated fire protection with built-in suppression module

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

C16 (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: 8000 cycles with 314Ah capacity, 10-Year Warranty



IP65 cabinet (optional) for all-weather protection



Plug and Play: Fast deployment with modular setup



Sustainability Ready: Supports renewable energy and carbon neutrality



Enhanced Fire Safety: Integrated fire protection with built-in suppression module

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 (WxDxH) / 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

Battery Rack	Configuration	Rated energy	Rated voltage	Voltage range	Weight	Dimension (WxDxH)
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	
14S	14 batt + 1 BCU	225.064KWh	716.8V	649.6-795.2V	1734.75kg/ 3824.5 lbs	1164 × 805 × 1968 mm / 45.8 × 31.7 × 77.5 in
15S	15 batt + 1 BCU	241.14KWh	768V	696-852V	1855kg/ 4089.6 lbs	1164 × 805 × 2237 mm / 45.8 × 31.7 × 88.1 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: 8000 cycles with 280Ah capacity, 10-Year Warranty



IP65 cabinet (optional) for all-weather protection



Plug and Play: Fast deployment with modular setup



Sustainability Ready: Supports renewable energy and carbon neutrality



Enhanced Fire Safety: Integrated fire protection with built-in suppression module

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 (WxDxH) / 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 (WxDxH)
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	

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



Plug and Play: Fast deployment with modular setup



High Safety: LFP chemistry for ultra-safe operation; Integrated fire protection with built-in suppression module



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	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								

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								
Certification	UN38.3								

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 (W×D×H)
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

