



YOUR RELIABLE ENERGY SOLUTION PARTNER

2025/

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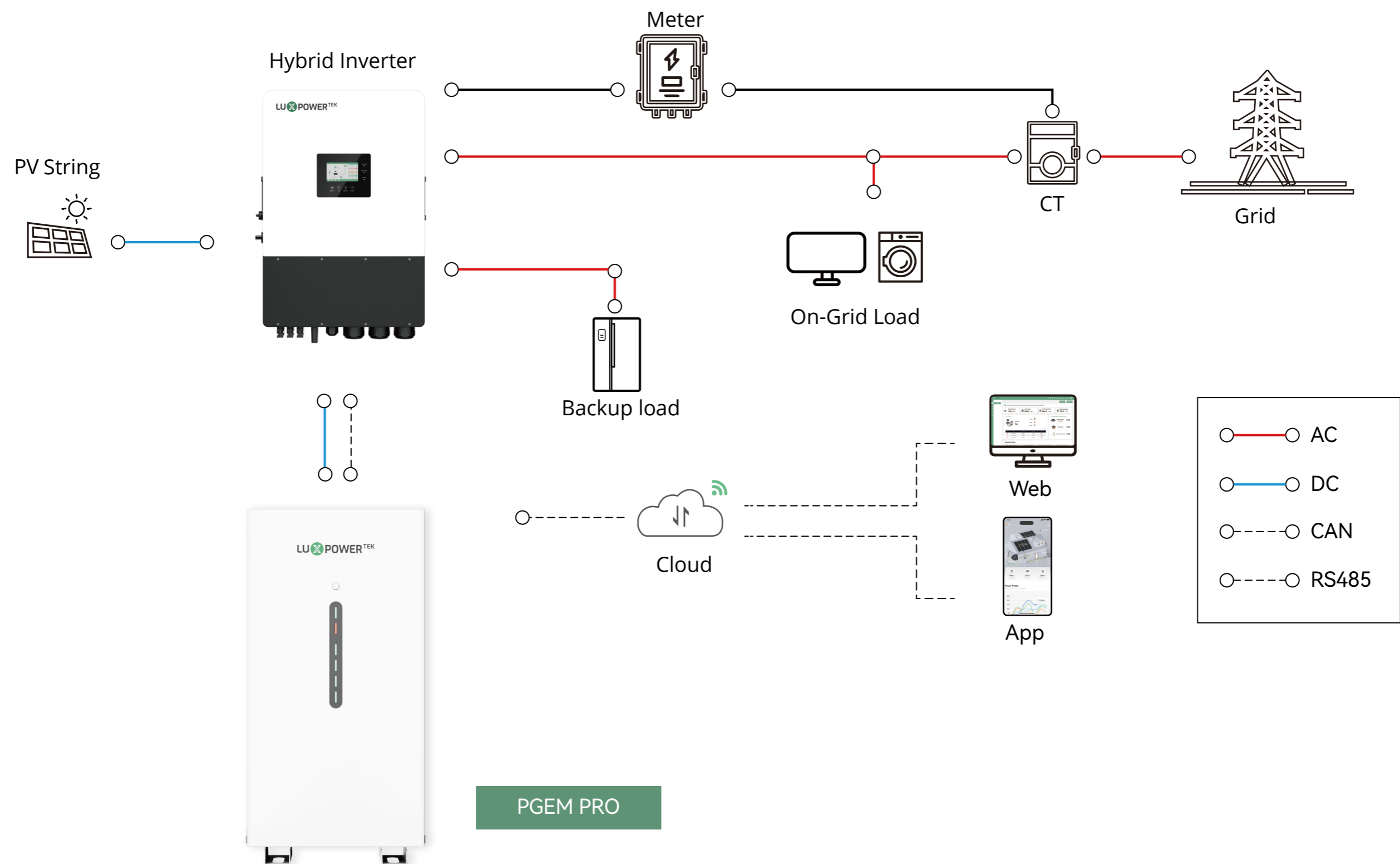
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**Residential & Commercial
Energy Storage Battery**

Energy Storage Solution



Li-5



-  10 years warranty
-  Ultra safe LFP material
-  Short circuit protection
-  Flexible remote upgrade
-  Wide range inverter compatibility
-  Parallel up to 32 modules
-  1C rate continuous charge/discharge
-  Multi protection to avoid over discharge
-  Smart BMS management for longer lifespan
-  Active balancing charging, low self consumption

Model	Li-5
Cell Type	LFP
Rated Energy	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Max. Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 150A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W*H*D)	452.6*165*481mm / 17.8*6.5*18.9 in
Weight	50kg / 110.2lbs
Communication	CAN/RS485
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ~ +55 ℃
Storage Temperature	-10 ~ +35 ℃
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

Li-Stack

Plug & Play Battery Solution



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
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
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

10
years
warranty

1C
rate
continuous


IP65


32
modules
Parallel


- 10-year warranty
- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- Wide range inverter compatibility
- Parallel up to 32 modules
- 1C rate continuous charge/discharge
- Multi protection to avoid over discharge
- Quick plug design for fast installation
- 300A max. discharge per stack, no exposed wire


Li-11.8





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Parallel up to 32 modules
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Auto addressing when parallel.
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
Wide range inverter compatibility
- 


0.5C rate continuous charge/discharge
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Ultra safe LFP material, 10 year warranty.
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Handy monitor & flexible remote upgrade.
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Second level protection, robust applications.
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Smart BMS management for longer lifespan
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Active balancing charging, low self consumption
- 

Heating system & Fire suppression optional, designed for outdoor use & extreme weather.

Model	Li-11.8
Cell Type	LFP
Rated Energy	11.776kWh
Rated Capacity	230Ah
Rated Voltage	51.2V
Charge Voltage	57.2V
Battery Charge Current(A)	100(max continuous) 102(start limit current to 10A, retest every 10 min) 105(Peak1 15s), 110(Peak2 500ms)
Battery Discharge Current(A)	100(max continuous) 104(start giving over-current alarm but not stop discharging) 105(Peak1 5minutes), 150(Peak2 500ms)
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W*H*D)	452.6*165*481mm / 17.8*6.5*18.9 in
Weight	50kg / 110.2lbs
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	6000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ~ +55 ℃
Storage Temperature	-10 ~ +35 ℃
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

Li-8e/Li-16e




Model	Li-8e	Li-16e
Cell Type	LFP	
Rated Energy	8kWh	16kWh
Rated Capacity	314 Ah	
Rated Voltage	25.6V	51.2V
Max. Charge/Discharge Current	160A/160A	
Parallel	Up to 35 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running	
IP Level	IP20	
Dimension (W*H*D)	393*255*466 mm 15.5*10.0*18.4 in	452*225*706 mm 17.8* 8.9 *27.8 in
Weight	53kg / 116.84 lbs	100kg / 220.46 lbs
Communication	CAN/485	
Humidity	5%~85% RH (No condensation)	
Work Temperature	-20 ~ +55 ℃	
Storage Temperature	-10 ~ +35 ℃	
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure	
Warranty *	5 years / 6000 cycles	
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection	

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




Up to 35 in Parallel

No extra device needed;
scalable for larger systems.




High Compatibility

Easy integration with off-grid
and hybrid systems.




Wide Voltage Options

25.6V & 51.2V available, perfect
for lead-acid battery replacement.




0.5C Charge/Discharge Rate

Efficient energy transfer with
160A charge/discharge current.




6000 Cycle Life

Long-lasting performance with
5-year warranty.




Flexible Installation

Rack-mounted, wall-mounted,
or floor-standing.




Value-Driven Design

Affordable solution for residential
and telecom energy storage.



Smart BMS Protection

Multi-level safety: overcharge,
over-discharge, short circuit.



Remote Maintenance

Supports remote firmware
upgrade and diagnostics.

PGEM



10 years warranty

Ultra safe LFP material

Short circuit protection

Flexible remote upgrade

Wide range inverter compatibility

Parallel up to 32 modules

1C rate continuous charge/discharge

Multi protection to avoid over discharge

Smart BMS management for longer lifespan


Active balancing charging, low self consumption

Model	PGEM
Cell Type	LFP
Rated Energy	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Max. Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 150A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W*H*D)	428*640*166mm / 16.9*25.2*6.5 in
Weight	58kg / 127.9lbs
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ~ +55 ℃
Storage Temperature	-10 ~ +35 ℃
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

PGEM PRO







0.5C Continuous Power




10 years warranty with 8000 Cycles




32 Units Stackable




Ultra safe LFP material




Short circuit protection




Flexible remote upgrade




Wide range inverter compatibility



Multi protection to avoid over discharge



Smart BMS management for longer lifespan



Active balancing charging, low self consumption

Model	PGEM PRO
Cell Type	LFP
Rated Energy	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5V
Battery Charge Current (A)	140 (max. continuous) 150 (start limit current to 10A, retest every 10 mihutes) 160 (peak1 15S) 180 (peak2 500ms)
Battery DisCharge Current (A)	140 (max. continuous) 150 (start giving over-current alarm but not stop discharging) 160 (peak1 5minutes) 200 (peak2 500ms)
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W*H*D)	475*900*238mm / 18.7*35.4*9.4 in
Weight	115kg / 253.5lbs
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ~ +55 ℃
Storage Temperature	-10 ~ +35 ℃
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	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

PGEM MAX





40 units stackable



10 years warranty with 8000cycles



200A continuous power



Ultra safe LFP material



Short circuit protection



Flexible remote upgrade



0.5C rate continuous charge/discharge



Multi protection to avoid over discharge



Smart BMS management for longer lifespan



Active balancing charging, low self consumption



Stackable / floor-standing / wall-mount installations




Fire suppression built in, wheels or foot brackets options

Model	PGEM MAX
Cell Type	LFP
Rated Energy	16.076kWh
Rated Capacity	314Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5V
Battery Charge Current (A)	165(max continuous) 170 (start limit current to 10A, retest every 10min) 180 (Peak1 15s) 200 (Peak2 500ms)
Battery Discharge Current (A)	200(max continuous) 205(start giving over-current alarm but not stop discharging) 210 (peak1 2minutes) 220 (peak2 500ms)
Parallel	Up to 35 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W*D*H,mm)	900*445*230mm / 35.4 *17.5 * 9.1 in
Weight	120Kg / 264.6 lbs
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20℃ ~+55℃
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	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

PSHIELD







IP65 built-in with heating for extreme outdoor use




DC Breaker built-in




Parallel up to 32 modules




Wide range inverter compatibility




1C rate continuous charge/discharge




Ultra safe LFP material, 10-year warranty




Handy monitor & flexible remote upgrade



Second level protection, robust applications



Active balancing charging, low self consumption




Smart BMS management for longer lifespan


Model	PSHIELD
Cell Type	LFP
Rated Energy	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	57.2V
Max. Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 150A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP65
Dimension (W*H*D)	500*650*167mm / 19.7*25.6*6.6 in
Weight	60kg / 132.3lbs
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20℃ ~ +55℃ , heating system built-in
Storage Temperature	-10℃ ~ +35℃
Remote Maintenance	Handy monitor & flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 years, 6000 cycles
Certification	CE UN38.3; IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection


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

PSTACK





 9 Series per stack


 20 Stack parallel

 10 years warranty

 Ultra safe LFP material

 Short circuit protection

 Flexible remote upgrade

 Wide range inverter compatibility

 High Voltage battery


Model	PSTACK
Scalable Connection	2~9pcs 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 45kWh 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 ℃, -20 ~ +55 ℃
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
10kWh	140.8V	110kg / 242.5lbs	736*577*382mm / 29.0*22.7*15.0 in
15kWh	211.2V	155kg / 341.7lbs	736*735*382mm / 29.02*28.9*15.0 in
20kWh	281.6V	200kg / 440.9lbs	736*893*382mm / 29.0*35.2*15.0 in
25kWh	352V	245kg / 540.1lbs	736*1051*382mm / 29.0*41.4*15.0 in
30kWh	422.4V	290kg / 639.3lbs	736*1209*382mm / 29.0*47.6*15.0 in
35kWh	492.8V	335kg / 738.6lbs	736*1367*382mm /29.0*53.8*15.0 in
40kWh	563.2V	380kg / 837.8lbs	736*1525*382mm / 29.0*60.0*15.0 in
45kWh	633.6V	425kg / 937.9lbs	736*1683*382mm / 29.0*66.26*15.0 in

PSHIELD MAX







Parallel up to 32 modules.




8000 cycles,
10 year warranty




Auto addressing when
parallel




Wide range inverter
compatibility




0.5C rate continuous
charge/discharge.




Handy monitor & flexible
remote upgrade.




Second level protection,
robust applications.



Active balancing charging,
low self consumption.



Wheels or standing
foot optional




Heating system & Fire suppression optional,
designed for outdoor use & extreme weather.

Model	PSHIELD MAX
Cell Type	LFP
Rated Energy	16.076kWh
Rated Capacity	314Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5V
Battery Charge Current (A)	165(max continuous) 170(start limit current to 10A, retest every 10 minutes) 180(peak1 15S), 200(peak2 500ms)
Battery Discharge Current (A)	200 (max continuous) 205 (start giving over-current alarm but not stop discharging) 210 (peak1 5minutes) 220 (peak2 500ms)
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP65
Dimension (W*H*D)	475*900*236mm / 18.7*35.4*9.3 in
Weight	125kg/ 275.6 lbs
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Storage Temperature	-10 °C ~ +35 °C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 year, 8000 cycles
Certification	CE; UN38.3; IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection/Reverse connection protection/ Charge balance/Low SOC protection


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

C14







High Performance: 0.5C continuous power for stable energy supply.




Modular Design: Flexible, stackable, and easily expandable.




Long Lifespan: 6000 cycles with 280Ah capacity.




Quick Installation: Fast deployment with modular setup.




Indoor & Outdoor Use: Versatile for all environments.




10-Year Warranty: Reliable, long-term performance.




Cost Efficiency: Peak shaving reduces electricity bills.



Reliable Backup: Ensures uninterrupted power for critical loads.



Sustainability Ready: Supports renewable energy and carbon neutrality.



Smart Integration: Real-time monitoring and intelligent management

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*236mm /108Kg								
Battery Rack									
Battery Rack Configuration	7S	8S	9S	10S	11S	12S	13S	14S	15S
Configuration	7 batt + 1 BCU	8 batt + 1 BCU	8 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*1613mm / 41.3*29.4*63.5 in					1048*748*2105mm / 41.3*29.4*82.9 in			
Weight	890kg / 1962.1 lbs	1000kg / 2204.6 lbs	1110kg / 2447.1 lbs	1215kg / 2678.6 lbs	1325kg / 2921.1 lbs	1500kg / 3306.9 lbs	1605kg / 3538.4 lbs	1725kg / 3803.0 lbs	1850kg / 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								