



SolisStorage

EverCore

100-261kWh C&I Energy Storage System (ESS)

Move Energy to the Right Place at the Right Time, Through **Simple**,
Reliable Systems that Installers Trust

EverCore 261kWh ESS



W: solisstorage.com

Six core technologies behind EverCore

Separated AC and DC architecture

01

Designed for easy maintenance and lower operating costs

04

Integrated four-in-one power electronics

02

Triple-layer system safety protection

05

Designed for all environments, with optimised thermal management

03

Open software platform with broad compatibility

06



1. AC-DC separation architecture design

Uses AC-DC separation to enable true **plug-and-play** installation



1.1 Structural Separation

Installed using familiar **PV installation** methods, with battery-side wiring **pre-installed** at the factory.



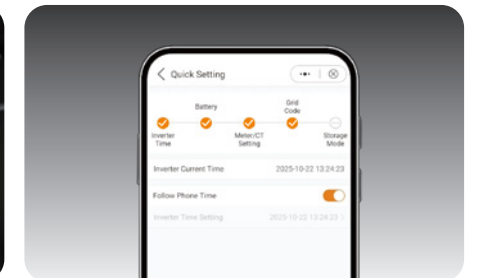
Step 1
Install the inverter



Step 2
Connect the electrical plugs



Step 3
One-click commissioning



1.2 Safety Separation

Alternative Products



One fire event,
system-wide risk

EverCore



One fire event,
safely isolated

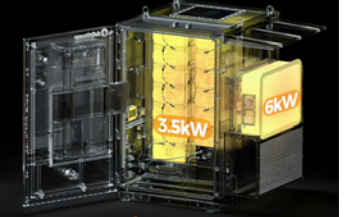
1.3 Thermal Separation

Alternative Products



9.5 kW
of heat generated
inside the cabinet

EverCore



3.5 kW
of heat generated
inside the cabinet

1.4 Protective Separation

-50%

Failure rate

IP55
Cabinet



IP66
Inverter

1.5 Structural separation with flexible DC expansion

Supports both AC and DC expansion. The DC cabinet allows flexible expansion without the need for additional equipment, supporting up to 6 units

DC Expansion supporting up to **6 units**



AC Expansion supporting up to **10 units**



15.66MWh

2. Integrated four-in-one power electronics



2.1 4-in-1 centralized controller

Alternative Products

Multiple CPUs working independently, with no single point of control.



EverCore

One central controller.
One CPU.



2.2 No extra STS module required

Supports seamless grid on/off switching with <10 ms backup response. Up to 6 units in parallel — no system cabinet required.



2.3 No additional PV inverter configuration required

Supports incremental energy storage expansion via DC or AC coupling

1

Direct DC or AC coupling — no circuit modifications required

3

Direct connection to EverCore — no PV inverter replacement required

2

Grid-connected PV remains operational in off-grid mode

4

Supports up to 2X available PV capacity

3. Designed for all environments, with optimised thermal management

3.1 IP66 + IP55 protection & C5 anti-corrosion rating

Designed for reliable operation in harsh environments



4000m
High altitude



C5
Anti-corrosion

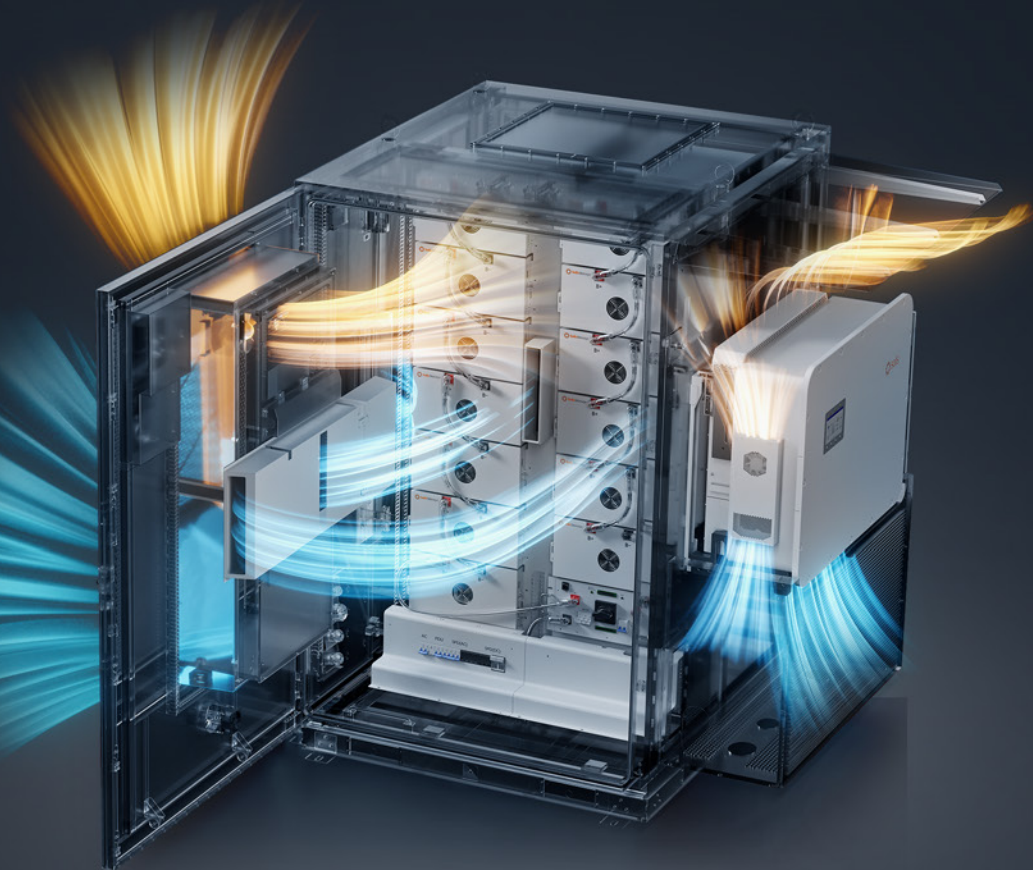


-25°C~55°C

3.2 Triple-layer thermal management design

Delivers up to 30% improvement in thermal management efficiency

30%
improvement



Independent three-air-duct cabinet design

Optimized airflow ensures even cooling across all internal components

Battery pack surface design using the Coandă effect



Hybrid patented air-duct design



4. Designed for easy maintenance and lower operating costs

4.1 Designed for easy diagnosis and fast disassembly

Alternative Products	EverCore
Multi-point communication and multi-unit coordination - complex fault diagnosis Troubleshooting requires coordination across multiple vendors. Faulty components are difficult to isolate, disassemble, or replace, often requiring on-site intervention from manufacturer specialists. Separated system architecture	Centralised control for streamlined operation and fault diagnosis Reduces reliance on on-site maintenance by manufacturer specialists Integrated Power Electronics Design

4.2 Air-cooled architecture with minimal maintenance

Typical Failure Points	Battery Pack(PACK) Replacement Steps	Battery Pack Weight & Tools Required
3 Points 1. Fan damage 2. Air duct resistance changes 3. Compressor damage	4 Steps 1. Disconnect power cables 2. Remove the battery pack 3. Install the new battery pack 4. Reconnect power cables	Approx. 140 kg Serviceable using standard portable tools

4.3 Streamlined service, lower costs



Two-person
operation reduces labor costs



General-purpose tools,
no need for rentals



4.4 Key components with a maintenance-free lifecycle



Pack Cooling Fan

Battery pack cooling:
Air-cooled design

- Fan:**
- Uses industry-leading Minebea fans, widely adopted in PV inverters
 - Proven reliability based on long-term field experience in grid-connected PV applications, offering:
10 years of maintenance-free operation

Combustible Gas Detection

Alternative Products:

- | | |
|---|--|
| <p>Calibration:</p> <ul style="list-style-type: none">• A standard combustible gas detector requires professional calibration every six months | <p>Maintenance:</p> <ul style="list-style-type: none">• One hour per session• Twice / a year |
|---|--|

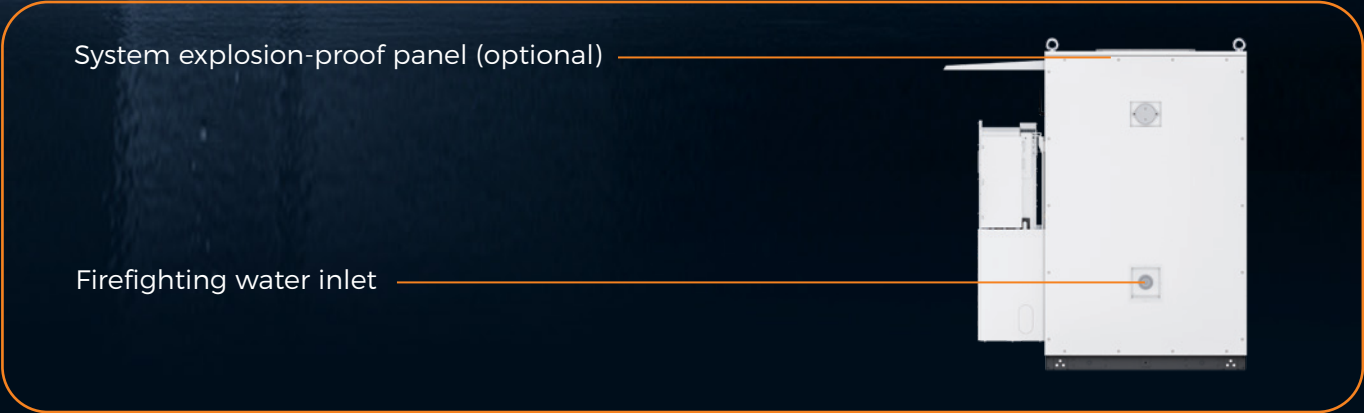
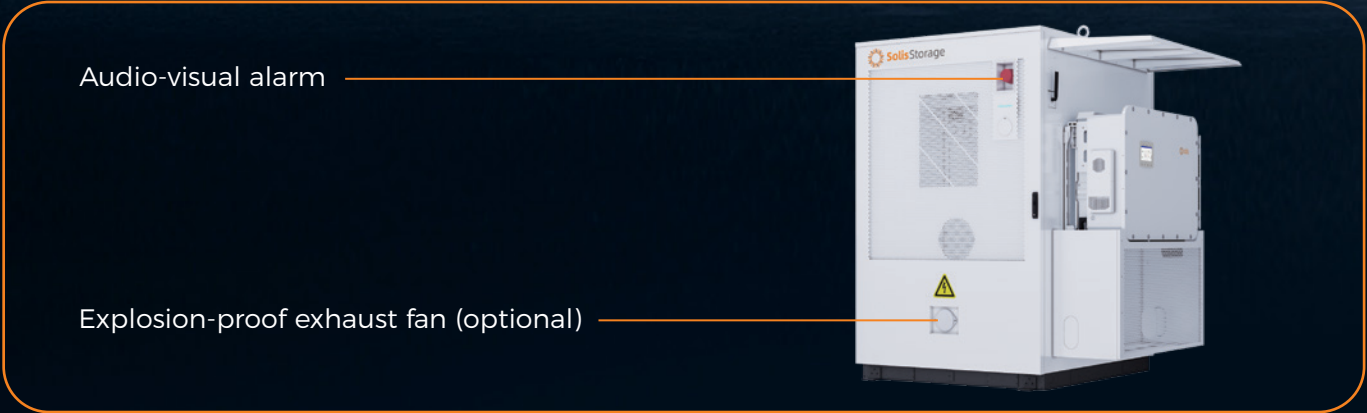
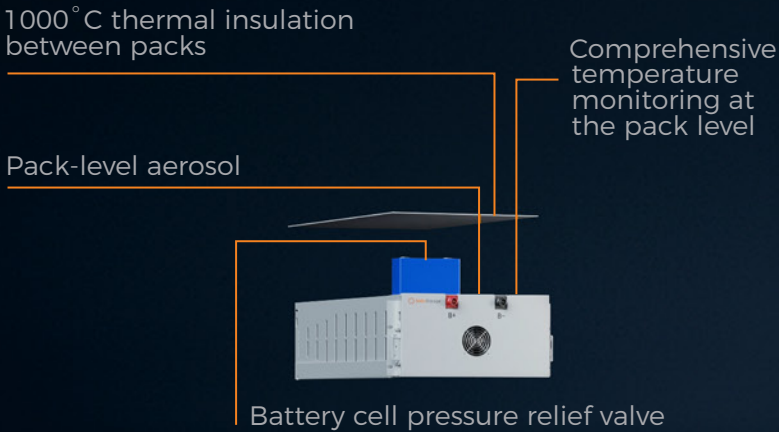
EverCore:

- Uses an industrial-grade combustible gas detector with a unique
10-year calibration-free feature

5. Triple-layer system safety protection

5.1 15-level system safety protection

From cell and pack level to a three-dimensional, system-wide safety architecture, EverCore delivers multi-layer protection to prevent fire propagation, even in extreme thermal runaway scenarios.



5.2 World leading brand battery cell performance protection address high safety risks and pain points

Other 280Ah	EVE 314Ah	Advantage
0.17±0.05mΩ	0.15±0.05mΩ	20% reduction in heat generation
7000 Cycles@EOL 70%	8000 Cycles@EOL 70%	14% increase in usable cycle life

- A key foundation for long-term reliability and improved energy efficiency across the system lifecycle
- Designed specifically for C&I energy storage, with ultra-low internal resistance to extend cycle life and enhance safety
- Engineered to exceed 8,000 battery cycles while still retaining 70% of the rated capacity



* Rated operating conditions: based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and AC output voltage of 380 or 400 Vac.
* Data provided by the battery cell manufacturer, based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and SOH = 70%.

5.3 Three-layer system control and isolation protection

Precise detection with integrated hardware and software protection



Multiple hardware isolation protection

- DC isolator control**
- Automatically isolates the battery from the inverter under low-voltage conditions, protecting the battery system

- Multiple short-circuit protection**
- First-level fuse protection on the main busbar
 - Independent fuse protection on positive and negative terminals within the high-voltage enclosure



6. Open software platform with broad compatibility

6.1 Digital O&M for greater efficiency

Remote monitoring and wireless updates via SolisCloud

- Panoramic system monitoring
- Cell-level precision monitoring
- Dynamic revenue visualisation and decision support

Stable integration across energy storage sites worldwide over
300,000
systems connected



6.2 Cloud-based deployment of Solis AI

- Multi-source forecasting
- Intelligent decision-making
- Revenue maximisation logic

4,800+

Energy storage systems deployed with Solis AI

Up to 302.6%

Estimated annual electricity cost savings



Latvia

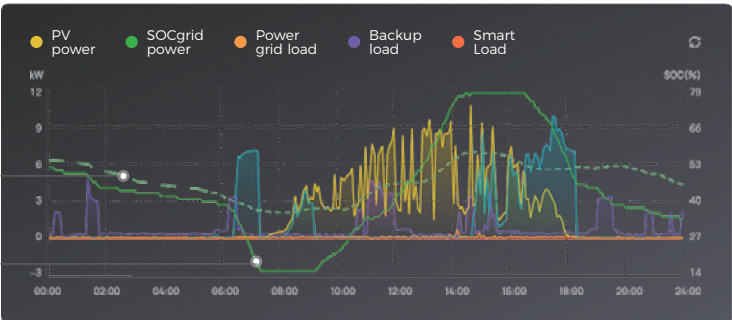
Wholesale: Nordpool
Retail: Flatpeak



High electricity prices Low electricity prices High electricity prices

SOC curve without AI intervention

SOC curve under Solis AI



6.3 Third-party EMS and remote scheduling

11

European Countries

102

Third-Party VPP/EMS manufacturers on-boarded or being on-boarded

Country	VPP/EMS Company
UK	Octopus/Kraken (In progress)
Nordic	Check Watt/Kanel/NeoWatt AS
Ireland	Evergen
Latvia	SIA MVBK
Estonia	Zerofy OÜ/Soleron
Bulgaria	Imotle (In progress)
Romania	Sonepar Romania (In progress)
Germany / Austria / Switzerland	PLEXLOC...(others 14 companies)
Belgium / Netherlands	Loxone/Homey...(others 40 companies)



EverCore 261kWh / 125kW System

Hybrid Inverter (IP66)

125kW

Battery Cabinet (IP55)

261kWh - 314Ah, 1P20S,
13 PACK, 0.5C



EverCore 120kWh / 60kW System

Hybrid Inverter (IP66)

60kW

Battery Cabinet (IP55)

120kWh - 314Ah, 1P20S,
6 PACK, 0.5C



EverCore 100kWh / 50kW System

Hybrid Inverter (IP66)

50kW

Battery Cabinet (IP55)

100kWh - 314Ah, 1P20S,
5 PACK, 0.5C

DATASHEET

EverCore-(100-261)kWh-(50-125)kW-NV

Models	100kWh-50kW		120kWh-60kW	261kWh-125kW
System				
Rated energy capacity	100.5 kWh		120.6 kWh	261.2 kWh
Max. cycle rate			0.5 P	
Max. cycle efficiency ^①			89%	
Depth of charge and discharge			0 ~ 100%	
Dimensions (W × H × D)	1250 × 2030 × 1540 mm			1850 × 2230 × 1600 mm
Dimensions (without inverter) (W × H × D)	950 × 2030 × 1540 mm			1400 × 2230 × 1600 mm
Weight	1490 kg (Cabinet) + 73 kg (Inverter)	1630 kg (Cabinet) + 73kg (Inverter)		2900 kg (Cabinet) + 170 kg (Inverter)
Operating temperature range			-25 ~ +55°C	
Storage temperature range			0 ~ +40°C	
Operating humidity range			≤ 95% (non-condensing)	
Max. operation altitude			4000 m	
System temperature control mode	Industrial-grade air-conditioning (Cabinet); Air cooling (Pack); Intelligent fan-cooling (Inverter)			
Fire suppression mode	Default: Aerosol, Explosion relief valve, Fire water inlet, Audible and visual alarm Optional: Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan			
Ingress protection	IP55 (Cabinet) + IP66 (Inverter)			
Anti-corrosion class(Battery Cabinet)	C4/C5 (Optional)			
Anti-corrosion class (Inverter)	C5			
Noise (rated operating condition)	70 dB(A) @ 1 m			75 dB(A) @ 1 m
Lightning protection	Type II (AC port), Type II (PV&Battery)			
Protection mode	Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection			
Certification standards	IEC62619, IEC61000-6/2/4, IEC62040, IEC63056, IEC62477, UN38.3			
Battery				
Cell type	LFP 3.2 V / 314 Ah			
Cell cycle life ^②	8000			
System battery configuration	1P100S	1P120S		1P260S
Rated voltage	320 V	384 V		832 V
Operating voltage range	290 ~ 360 V	348 ~ 432 V		754 ~ 936 V
Rated DC current			157 A	
Number of battery packs	5	6		13
Battery pack capacity			20.1 kWh	
Battery pack weight			138 kg	
Inverter				
Inverter model	S6-EH3P50K-H(21A)	S6-EH3P60K-H(21A)		S6-EH3P125K10-NV-YD-H
Rated output power	50 kW	60 kW		125 kW
Max. apparent output power@On-grid	50 kVA	60 kVA		125 kVA
Rated grid voltage	3/N/PE, 220 V / 380 V; 3/N/PE, 230 V / 400 V			
Rating grid frequency	50 Hz / 60 Hz			
AC grid frequency range	45 - 55 Hz / 55 - 65 Hz			
Rated output current	76 A / 72.2 A	91.2 A / 86.6 A		189.9 A / 180.4 A
Max. apparent output power@Off-grid	1.5 times of rated power, 10 s; 1.6 times of rated power, 2 s			1.6 times of rated power, 200 ms
Back-up switch time	< 10 ms			
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi / THDv (@linear load)	< 2% / < 3%			
Max. usable PV input power	100 kW		250 kW	
Recommended max. PV array size	100 kW		250 kW	
Max. input voltage	1000 V			
Rated voltage	600 V			
Start-up voltage	180 V			
MPPT voltage range	150 - 850 V			150 - 950 V
Max. input current	4 × 42 A			10 × 42 A
Max. short circuit current	4 × 60 A			10 × 60 A
MPPT number / Max. input strings number	4 / 8			10 / 20
Communication	Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G			Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×5, DO×4; Optional: 4G
Max. parallel quantity (on/off-grid)	10			

① Rated operating conditions: based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and AC output voltage of 380 or 400 Vac.
② Data provided by the battery cell manufacturer, based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and SOH = 70%.

DATASHEET

EverCore-(100-261)kWh-(30-75)kW-LV

Models	100kWh-30kW	100kWh-35kW	261kWh-60kW	261kWh-75kW
System				
Rated energy capacity	100.5 kWh		261.2 kWh	
Max. cycle rate			0.5 P	
Max. cycle efficiency ^①			89%	
Depth of charge and discharge			0 ~ 100%	
Dimensions (W × H × D)	1250 × 2030 × 1540 mm		1850 × 2230 × 1600mm	
Dimensions (without inverter) (W × H × D)	950 × 2030 × 1540 mm		1400 × 2230 × 1600mm	
Weight	1490 kg (Cabinet) + 73 kg (Inverter)		2900 kg (Cabinet) + 170 kg (Inverter)	
Operating temperature range			-25 ~ +55℃	
Storage temperature range			0 ~ +40℃	
Operating humidity range			≤ 95% (non-condensing)	
Max. operation altitude			4000 m	
System temperature control mode	Industrial-grade air-conditioning (Cabinet); Air cooling (Pack); Intelligent fan-cooling (Inverter)			
Fire suppression mode	Default: Aerosol, Explosion relief valve, Fire water inlet, Audible and visual alarm Optional: Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan			
Ingress protection			IP55 (Cabinet) + IP66 (Inverter)	
Anti-corrosion class (Battery Cabinet)			C4/C5 (Optional)	
Anti-corrosion class (Inverter)			C5	
Noise (rated operating condition)	70 dB(A) @ 1 m		75 dB(A) @ 1 m	
Lightning protection			Type II (AC port), Type II (PV&Battery)	
Protection mode	Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection			
Certification standards	IEC62619, IEC61000-6/2/4, IEC62040, IEC63056, IEC62477, UN38.3			
Battery				
Cell type			LFP 3.2 V / 314 Ah	
Cell cycle life ^②			8000	
System battery configuration	1P100S		1P260S	
Rated voltage	320 V		832 V	
Operating voltage range	290 ~ 360 V		754 ~ 936 V	
Rated DC current			157 A	
Number of battery packs	5		13	
Battery pack capacity			20.1 kWh	
Battery pack weight			138 kg	
Inverter				
Inverter model	S6-EH3P30K-H-LV(21A)	S6-EH3P35K-H-LV(21A)	S6-EH3P60K10-LV-YD-H	S6-EH3P75K10-NV-YD-H
Rated output power	30 kW	35 kW	60 kW	75 kW
Max. apparent output power@On-grid	30 kVA	35 kVA	60 kVA	75 kVA
Rated grid voltage	3/(N)/PE, 127 V / 220 V; 3/(N)/PE, 133 V / 230 V			
Rating grid frequency	50 Hz / 60 Hz			
AC grid frequency range	45 - 55 Hz / 55 - 65 Hz			
Rated output current	78.7 A / 75.3 A	91.8 A / 87.8 A	157.5 A / 150.6 A	196.8 A / 188.2 A
Max. apparent output power@Off-grid	1.5 times of rated power, 10 s; 1.6 times of rated power, 2 s		1.6 times of rated power, 10 s; 2 times of rated power, 200 ms	
Back-up switch time	< 10 ms			
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi / THDv (@linear load)	< 2% / < 3%			
Max. usable PV input power	60 kW	70 kW	120 kW	150 kW
Recommended max. PV array size	60 kW	70 kW	120 kW	150 kW
Max. input voltage	1000 V			
Rated voltage	600 V			
Start-up voltage	180 V			
MPPT voltage range	150 - 850 V		150 - 950 V	
Max. input current	3 × 42 A		10 × 42 A	
Max. short circuit current	3 × 60 A		10 × 60 A	
MPPT number / Max. input strings number	3 / 6		10 / 20	
Communication	Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G		Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×5, DO×4; Optional: 4G	
Max. parallel quantity (on/off-grid)	10			

① Rated operating conditions: based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and AC output voltage of 220 or 230 Vac.
② Data provided by the battery cell manufacturer, based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and SOH = 70%.

**Move energy to the
right place at the right time,
through simple, reliable
systems that installers trust**



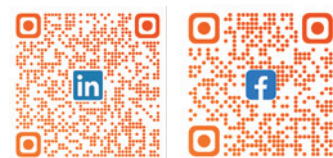
GINLONG ENERGY STORAGE CO., LTD.

+86 574 6580 2188

solisstorage.com

sales@solisstorage.com

service@solisstorage.com



Copyright © Ginlong Energy Storage Co., Ltd. 2026.

This document may contain forward-looking statements including, but not limited to, financial, operational, product portfolio, and new technology information. Due to uncertainties in practice, actual results may differ significantly from those described. Some data referenced are derived from internal modelling based on publicly available market information, industry cost benchmarking, EU market pricing, and proprietary product performance data.

Ginlong Energy Storage Co., Ltd. reserves the right to modify the products and their information contained herein without prior notice. The information provided is for reference only and does not constitute any form of commitment or undertaking.