

Liquid-Cooling LFP BESS

KS-261A

261kWh



HIGH PERFORMANCE

- >8000 life cycles.[1]
- 261kWh capacity, 135 kW AC output power.



SMART O&M

- Supports remote diagnostics and O&M.
- Enables real-time monitoring and optimized dispatching.



SAFE AND RELIABLE

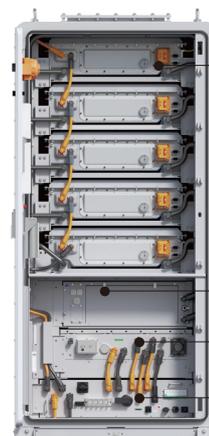
- 160% off-grid overload for reliable startup in 200 ms.
- Certified UL, IEC, CE, UN38.3 for compliance.



FLEXIBLE APPLICATION

- Uninterrupted power with grid/off-grid flexibility.
- Modular Design for Easy Expansion, Up to 6 Units AC-Paral.

● Packaging & Shipping Details



Battery Module

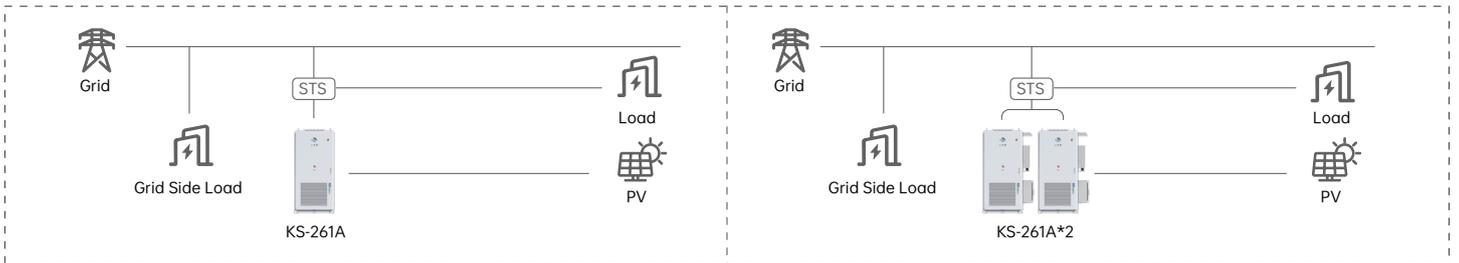
MPPT Module
(Optional)

Liquid-cooled Modular

PCS Modular

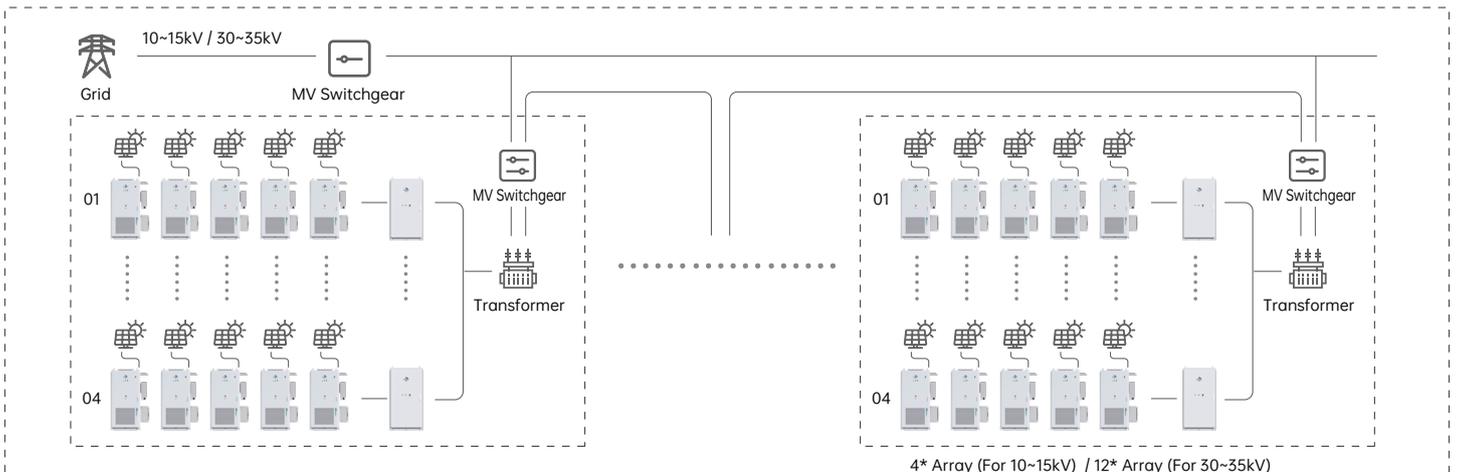
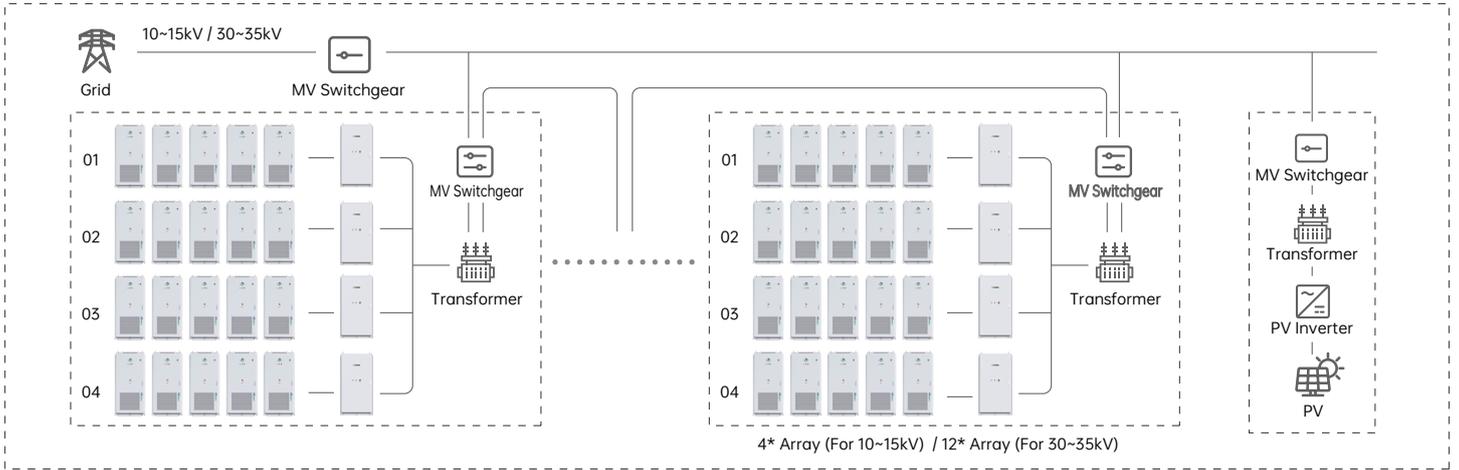
Master Control Modular

● On/Off-grid System Layout

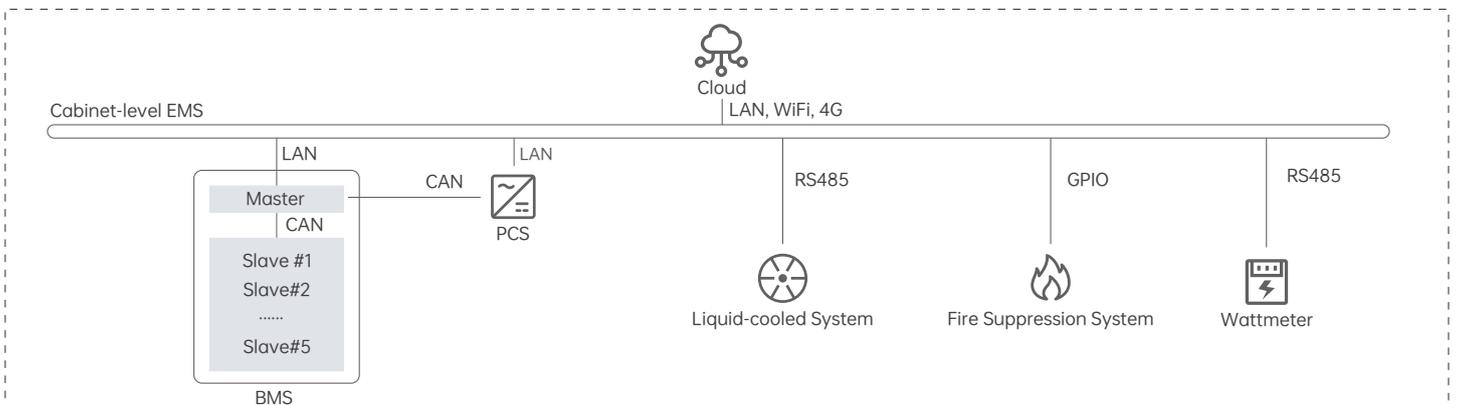


*Max. support for two units in on/off-grid switching; switching time ≤ 20 ms.

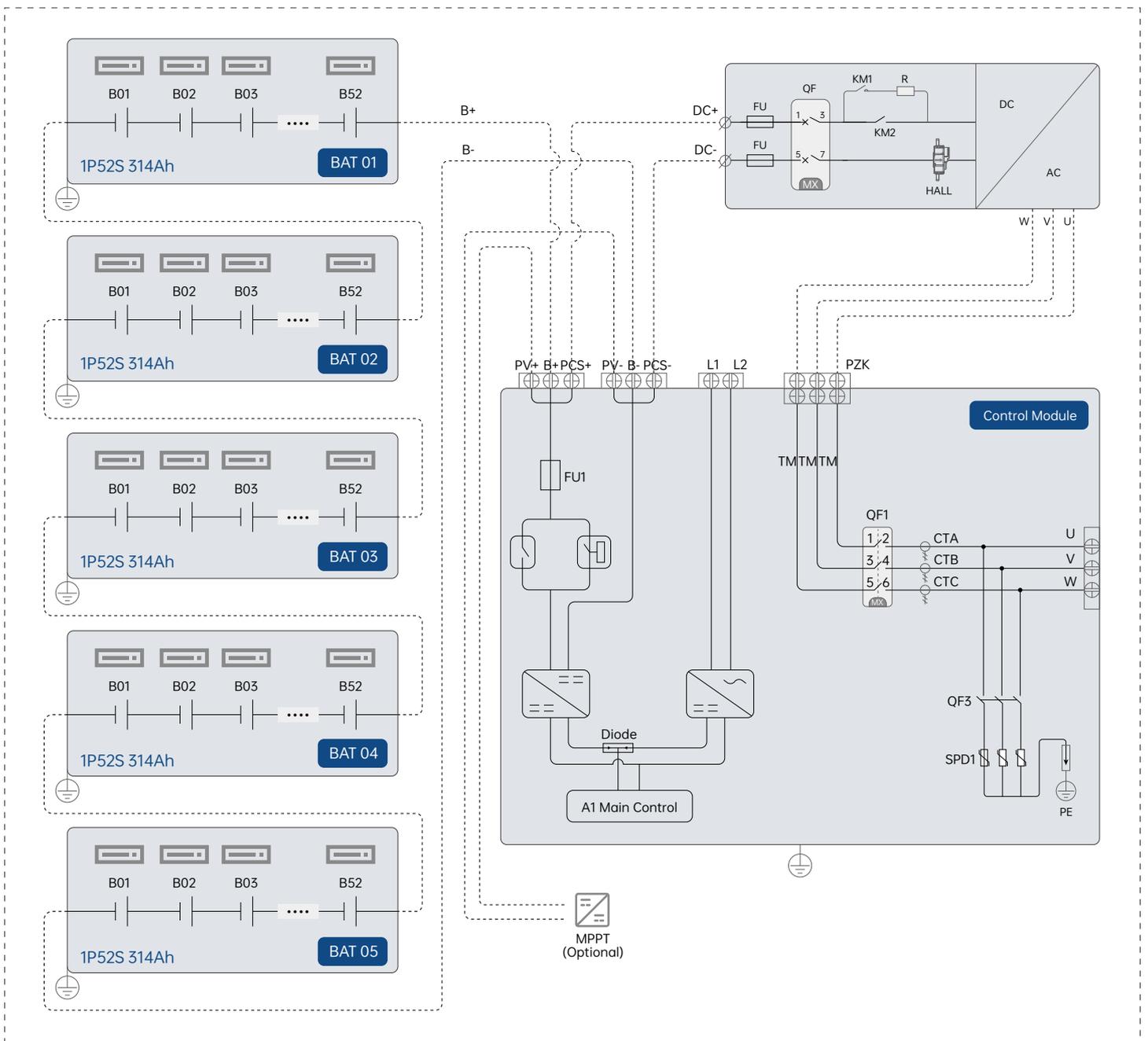
● On-grid System Layout



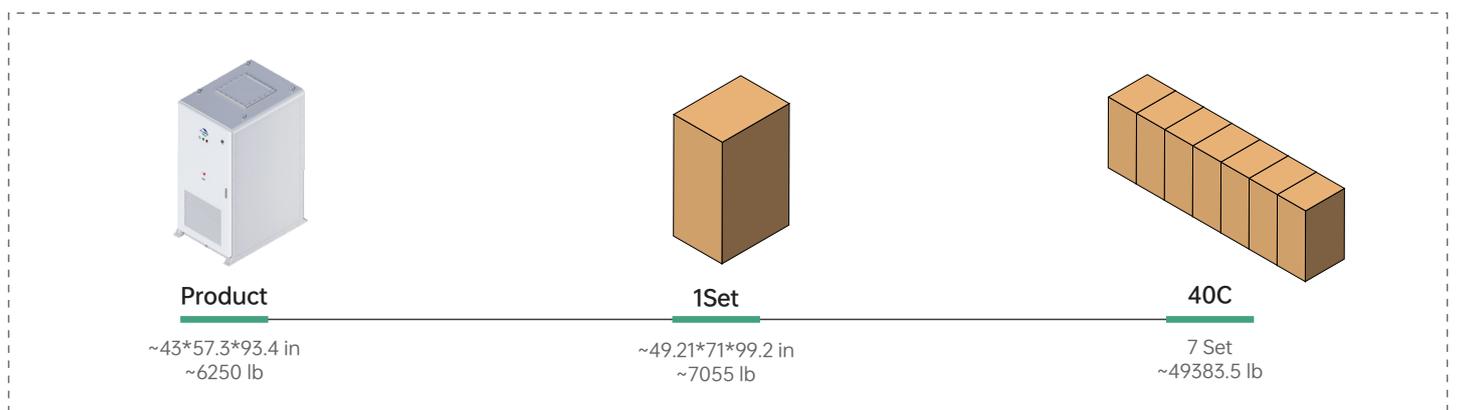
● EMS System Topology



Product Topology



Packaging & Shipping Details



● Product Specifications

Battery Energy Storage

Cell Type	LFP 3.2V/314Ah
Module Combination	1P52S
System Combination (Modules)	5 in series
Capacity (kWh)	261.2
Nominal Voltage (V)	832
Voltage Range (Vdc)	702~936
Discharge Depth	90% DoD
Thermal Management Mode	Liquid-cooled
Thermal Control Management	Aerosol Extinguishing

PV Input*Optional MPPT Module Only

Rated Power (kW)	60
Max. Input Voltage (V)	1100
Rated Input Voltage (V)	600
Starting Voltage (V)	250
MPPT Voltage Range (V)	200~1000
Full Load MPPT Voltage Range (V)	575~900
Number of MPPTs	3
Number of MPPT Input Strings per circuit	2
Max. Input Current (A)	35/35/35

AC Output

Rated AC Output Power (kW)	135
Max. AC Output Power (kVA)	148.5
Rated Output Voltage (Vac)	480
Output Voltage Range (Vac)	408~528
Rated Grid Frequency (Hz)	60(-5~5)
Adjustable Power Factor	0.99/-1~1
THDi	≤3%

System Characteristic

Communication Interface	CAN, RS485, Ethernet
Warranty	5 years
Certifications	ANSI/CAN/UL1973:2022, ANSI/CAN/UL9540:2020, UL9540A:2019, UL1741:2012 Ed.3+R:19May2023 UL1741:2021 Ed.3(Supplement SB), CSA C22.2#1071:2016 Ed.4+U1, IEEE 1547:2018, EEE 15471:2020

General Parameters

Battery Model	K-KS261135A0-US
Dimensions - W*D*H (mm/in)	~1902*1455*2372 / ~43*57.3*93.4
Total Weight (kg/lb)	~2834.95 / ~6250
Operation Altitude	≤4000m/13122ft (2000m/6561ft derating)
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature (°C/°F)	-20~55/-4~131
Operating Humidity (RH)	0 to 95%, non-condensation
Storage Conditions	-20~30°C/-4~86°F, Up to 95% RH, non-condensation, State of Energy (SoE): 50% initial

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- Enables real-time monitoring and optimized dispatching.



SAFE AND RELIABLE

- LiFePO4 cells, battery monitoring, fire prevention.
- Certified UL, IEC, CE, UN38.3 for compliance.



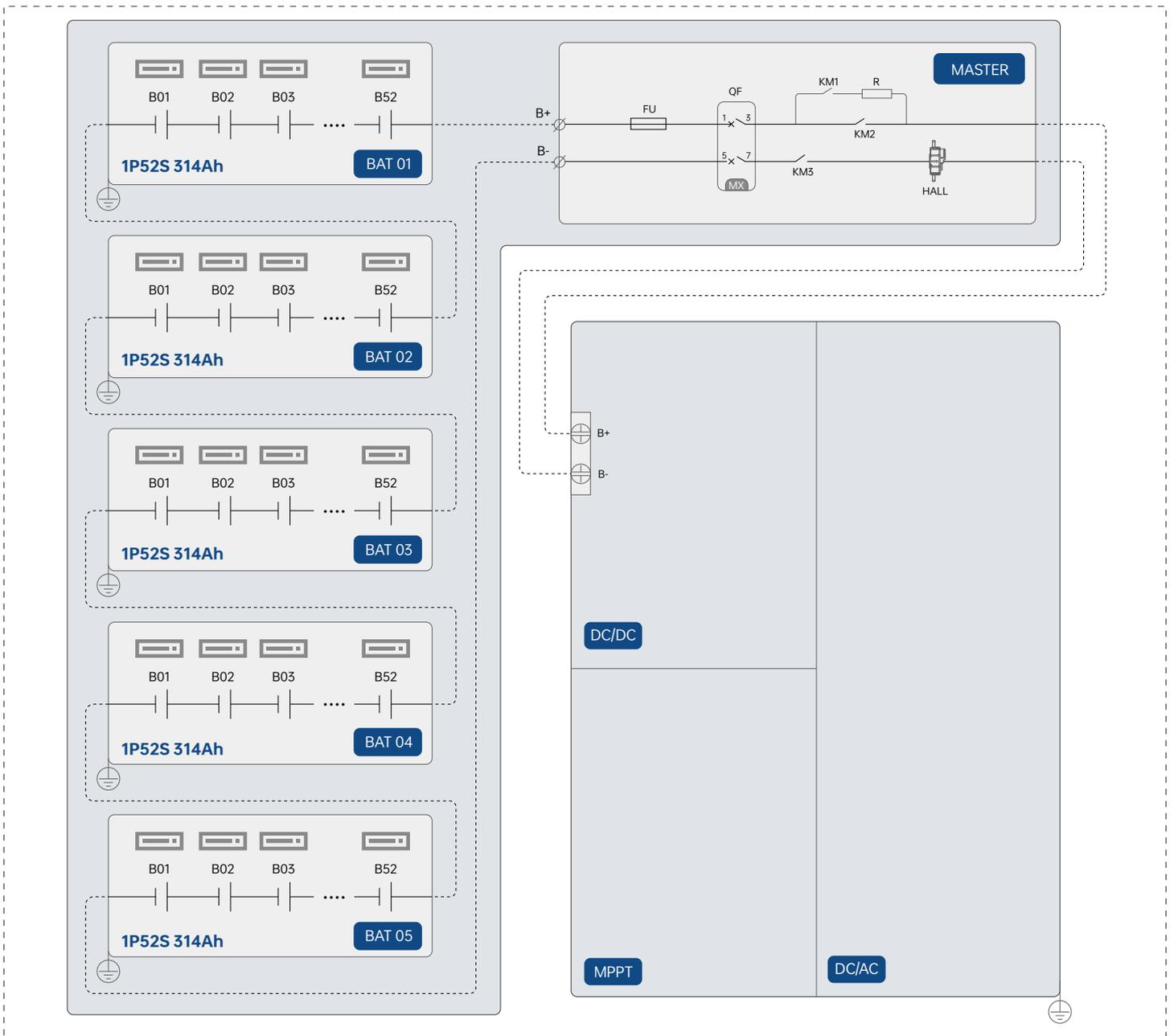
FLEXIBLE APPLICATION

- Uninterrupted power with grid/off-grid flexibility.
- Modular Design for Easy Expansion.

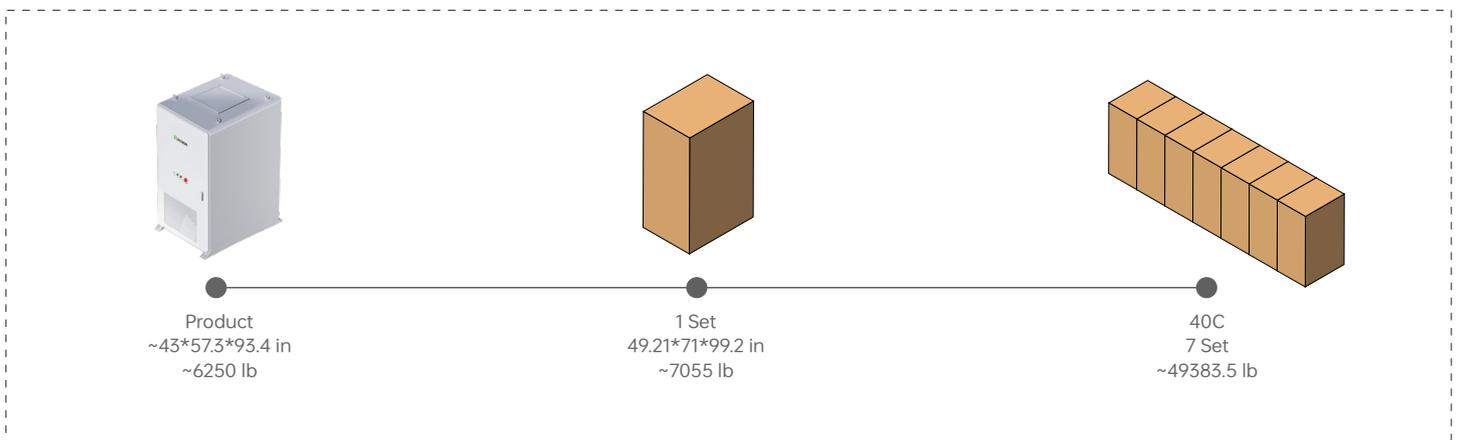
System Demonstration



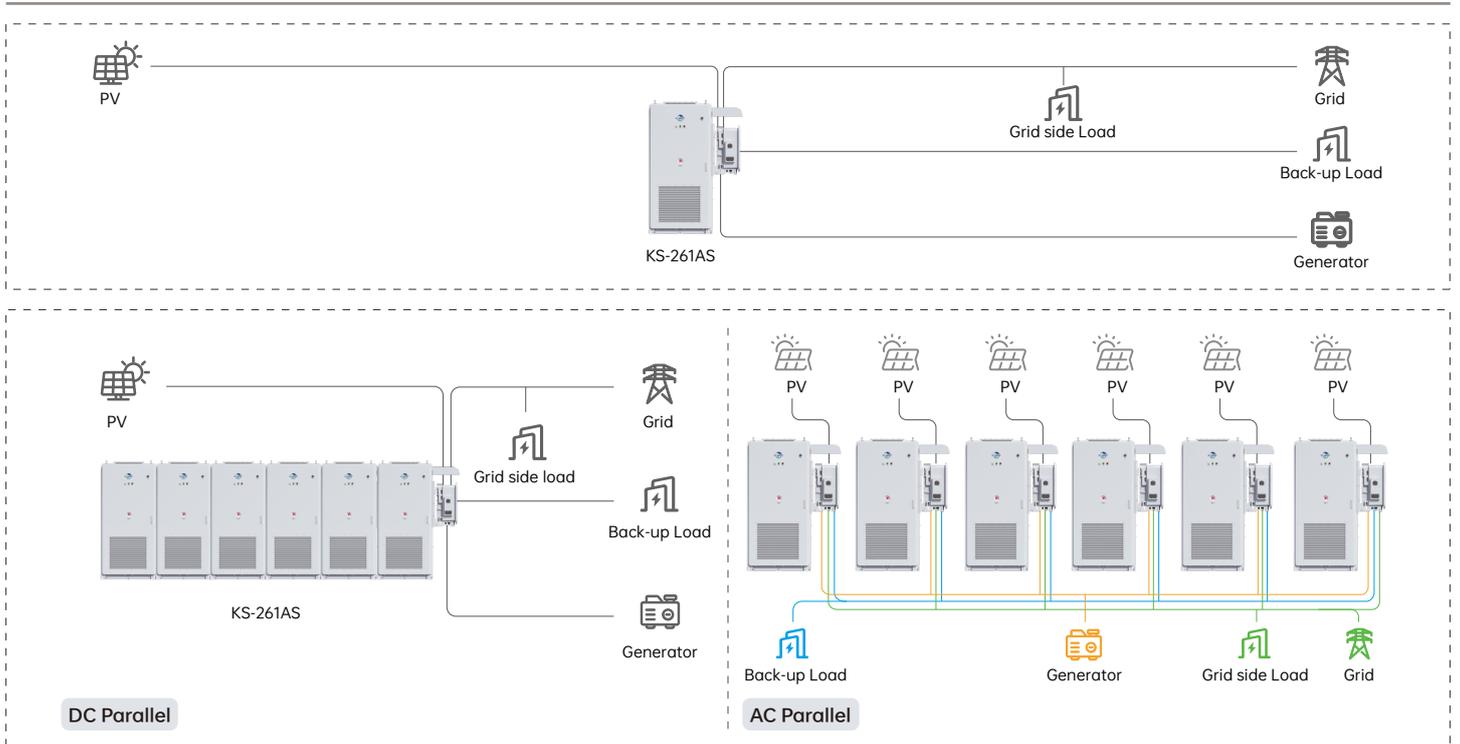
● Product Topology



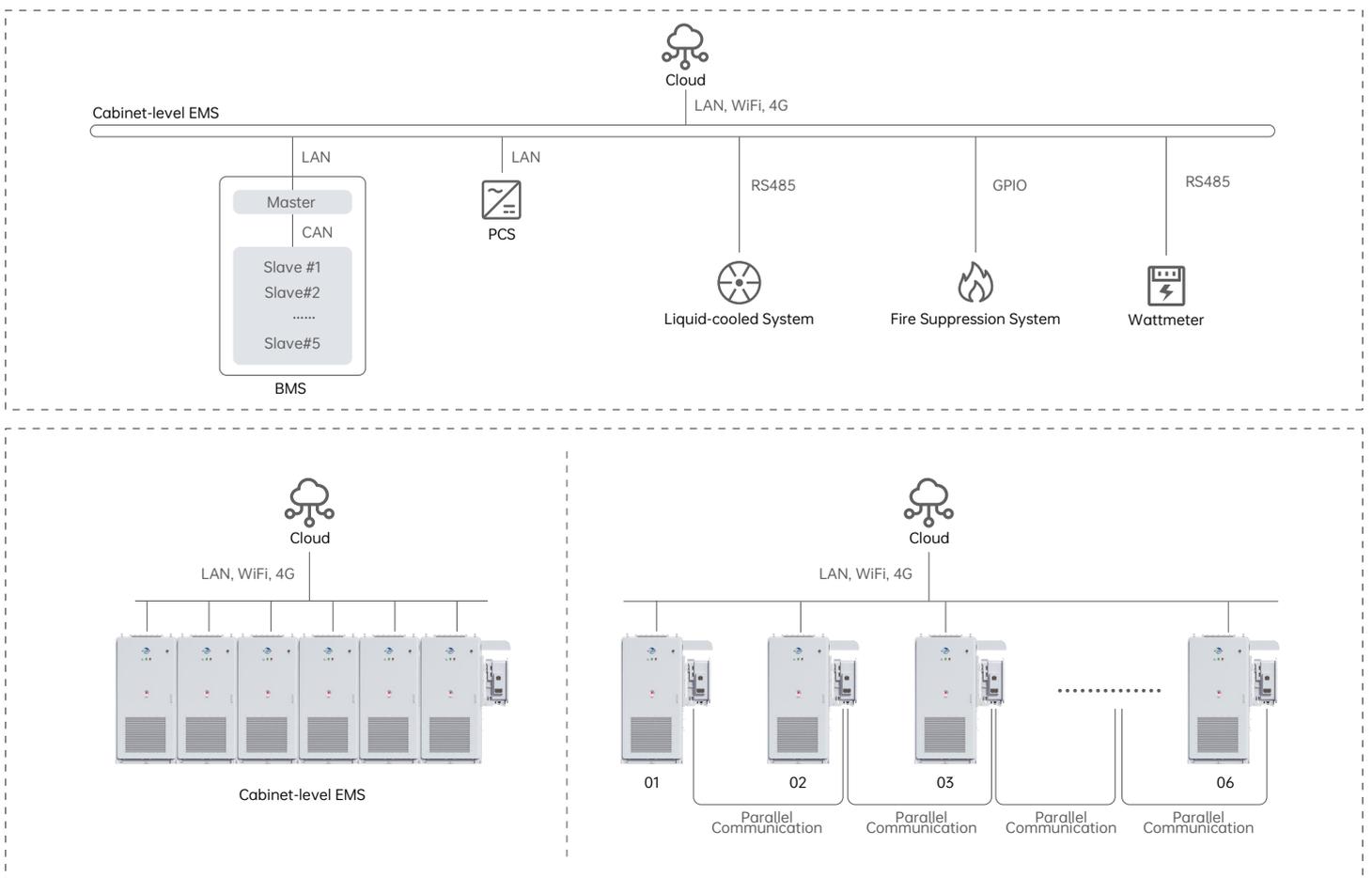
● Packaging & Shipping Details



● Single / Max. Parallel System Layout



● EMS System Topology



● Product Specifications

Battery Energy Storage

Cell Type	LFP 3.2V/314Ah
Module Configuration	1P52S
System Combination (Modules)	5 in series
Capacity (kWh)	261.2
Nominal Voltage (V)	832
Operation Voltage Range (VDC)	702~936
Discharge Depth	90% DoD
Thermal Management Mode	Liquid-cooled
Thermal Control Management	Aerosol Extinguishing

PV Input

Recommended Max. PV Array Size (kW)	250
Max. Usable PV Input Power (kW)	250
Max. Input Voltage (V)	1000
Rated Voltage (V)	600
Start-up Voltage (V)	180
MPPT Voltage Range (V)	150 ~ 950
Max. Input Current (A)	10*42
Max. Short Circuit Current (A)	10*60
MPPT Number / Max. Input Strings Number	10/20

AC Output (Grid Side)

Rated Output Power(kW)	125
Max. Apparent Output Power(kVA)	125
Rated Grid Voltage	3/N/PE, 277 V / 480 V
Rated Grid Frequency (Hz)	50 / 60
Rated Grid Output Current (A)	150
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%

AC Output (Back-up)

Rated Output Power (kW)	125
Max. Apparent Output Power	1.2 times of rated power, 100s; 1.4 times of rated power, 10s 1.6 times of rated power, 200ms
Back-up Switch Time (ms)	< 10
Rated Output Voltage	3/N/PE, 277V / 480 V
Rated Frequency (Hz)	50 / 60
Thdv (@linear Load)	< 2%

AC Input (Generator)

Max. Input Power (kW)	125
Rated Input Current (A)	150
Rated Input Voltage	3/N/PE, 277 V / 480 V
Rated Input Frequency (Hz)	50 / 60

System Characteristic

Communication Interface	CAN,RS485, Ethernet
Warranty	5 years free, paid from the 6th to the 15th year
Certifications	ANSI/CAN/UL1973:2022, ANSI/CAN/UL9540:2023, UL9540A:2025 UL1741:2012 Ed.3+R:19May2023, UL1741:2021 Ed.3(Supplement SB) CSA C22.2#1071:2016 Ed.4+U1, IEEE 1547:2018, EEE 1547:2020

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Battery Model	K-KSK-KS261135A0-US
Dimensions - W*D*H (mm/in)	~1092*1455*2372 / ~43*57.3*93.4
Total Weight (kg/lb)	~2835 / ~6250
Max. Count of Grid-tie & Islanding Transitions	6
Grid-connected & Off-grid Wwitching Time	≤20mS
Operation Altitude	≤4000m/13122ft (2000m/6561ft derating)
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature (°C/°F)	-30~55/-22~131
Operating Humidity (RH)	0 to 95%, non-condensation
Storage Conditions	-20~30°C/-4~86°F, Up to 95% RH, non-condensation State of Energy (SoE): 50% initial