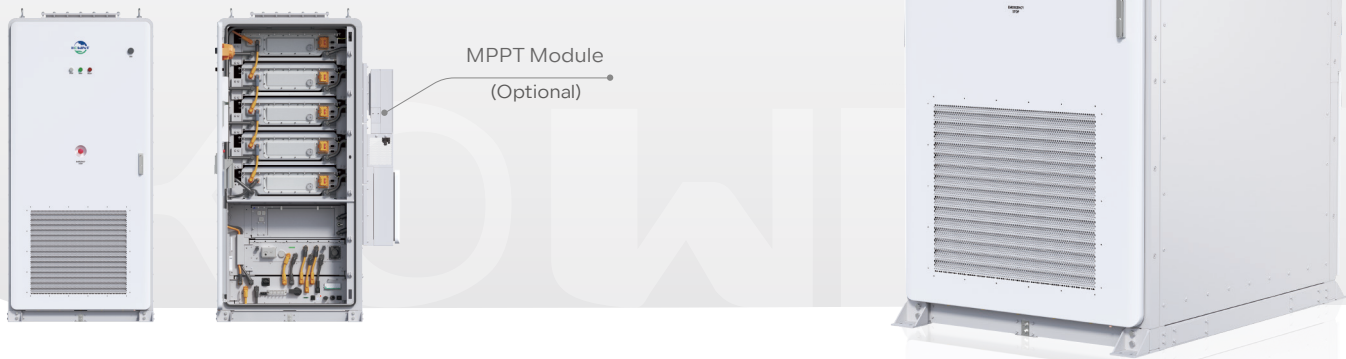


Liquid-Cooling LFP BESS

KS-261A

261kWh

HIGH PERFORMANCE

- 261kWh LFP liquid-cooled ESS.
- High efficiency and long cycle life.



SAFE AND RELIABLE

- Advanced liquid cooling and multiple protections.
- Stable backup power for critical applications.



SMART ENERGY MANAGEMENT

- Intelligent EMS for PV, load and grid control.
- Remote monitoring and real-time optimization.



FLEXIBLE APPLICATION

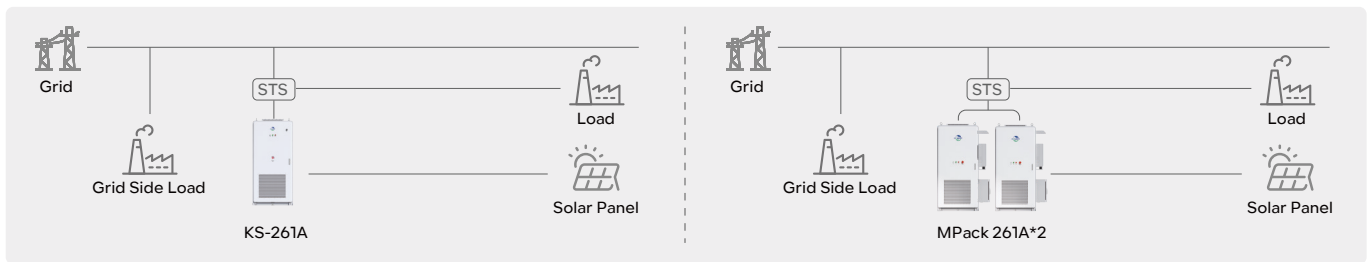
- Supports grid-tied and off-grid scenarios.
- Scalable design for various C&I projects.

Application Scenario



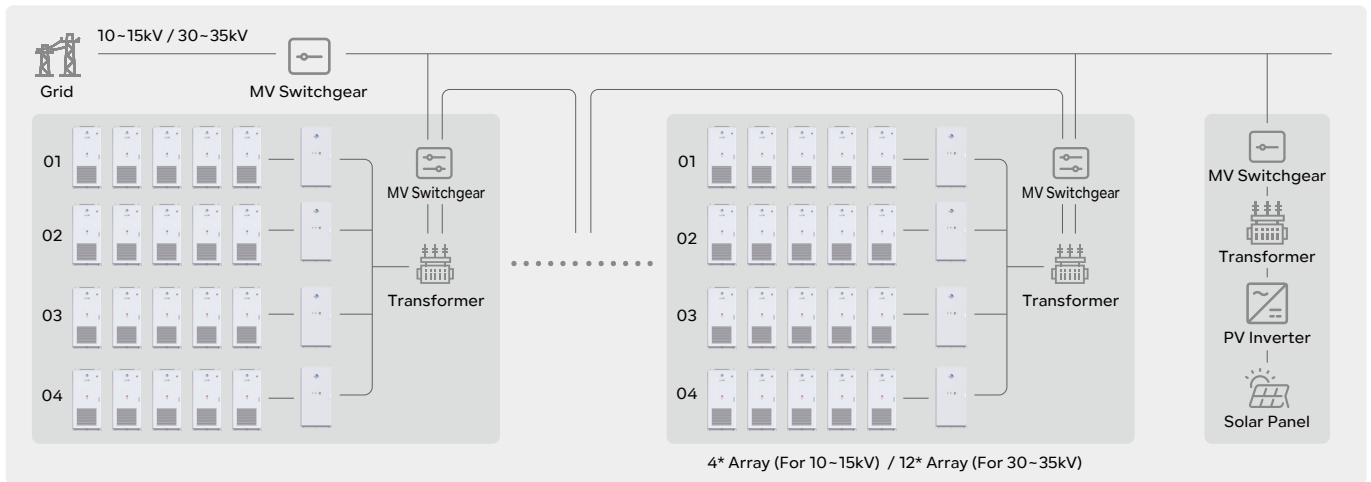


On/Off-grid System Layout

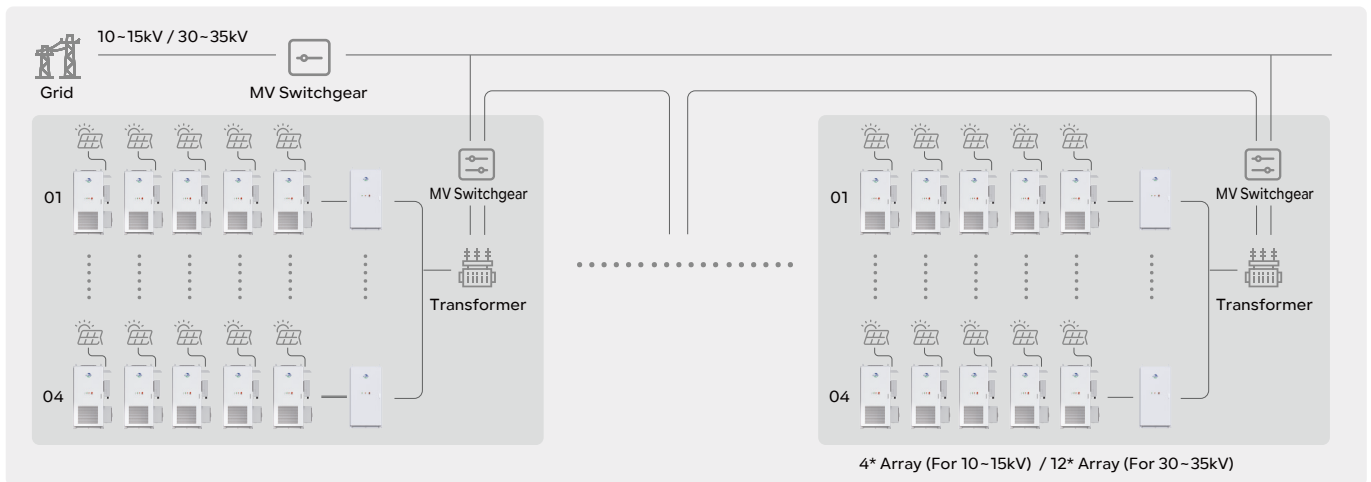


*Max. support for two units in on/off-grid switching; switching time ≤ 20 ms.

On-grid System Layout

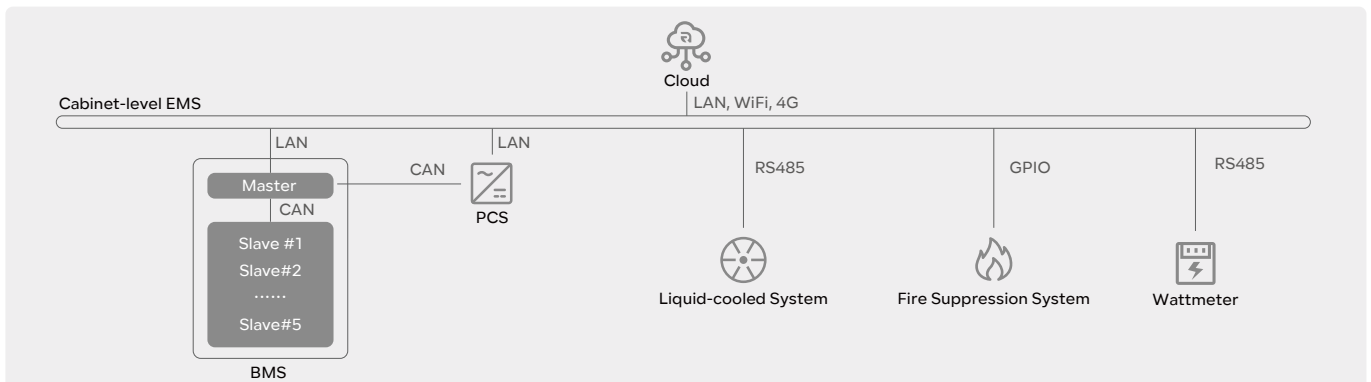


*PV AC coupling



*PV DC coupling

Energy Management System(EMS) Structure



● Product Parameter

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
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)Hz
Adjustable Power Factor	0.99/-1~1
THDi	≤3%
DC Input/Output	
Max. Power (kW)	270
Voltage Range (V)	702~936
Max. Current(A)	314

System Characteristic	
Max. Count of Grid-tie & Islanding Transitions	2 (Optional STS)
Grid-connected & Off-grid Switching Time	≤20mS
Communication Interface	CAN, RS485, Ethernet
Warranty	5 years free, paid from the 6th to the 15th year
Certifications	UL9540A:2025, NFPA 855, NFPA 68 ANSI/CAN/UL1973:2022, ANSI/CAN/UL9540:2023 UL1741:2012 Ed.3+R:19May2023, UL1741:2021 Ed.3(Supplement SB) CSA C22.2#1071:2016 Ed.4+U1 IEEE 1547:2018,IEEE 15471:2020
General Parameters	
Battery Model	K-KS261135A1-US
Dimensions - W*D*H (in)	~43.3*57.5*93.5 (±0.5)
Total Weight (lb)	~6393 (±5%)
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