

233kWh Liquid-Cooling Battery

KS-233A



HIGH PERFORMANCE

- High-efficiency liquid cooling.



FLEXIBLE APPLICATION

- Efficient BMS technology.



SAFE AND RELIABLE

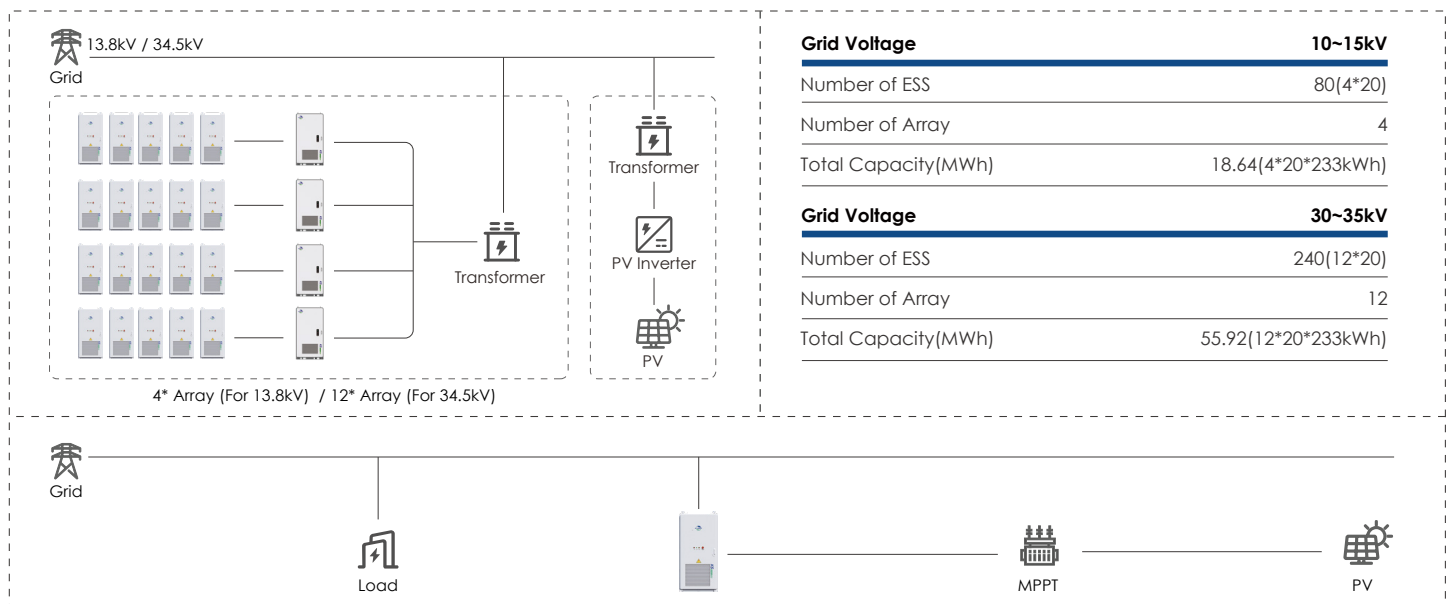
- Battery monitoring, fire prevention, a top venting design.
- Ai management.



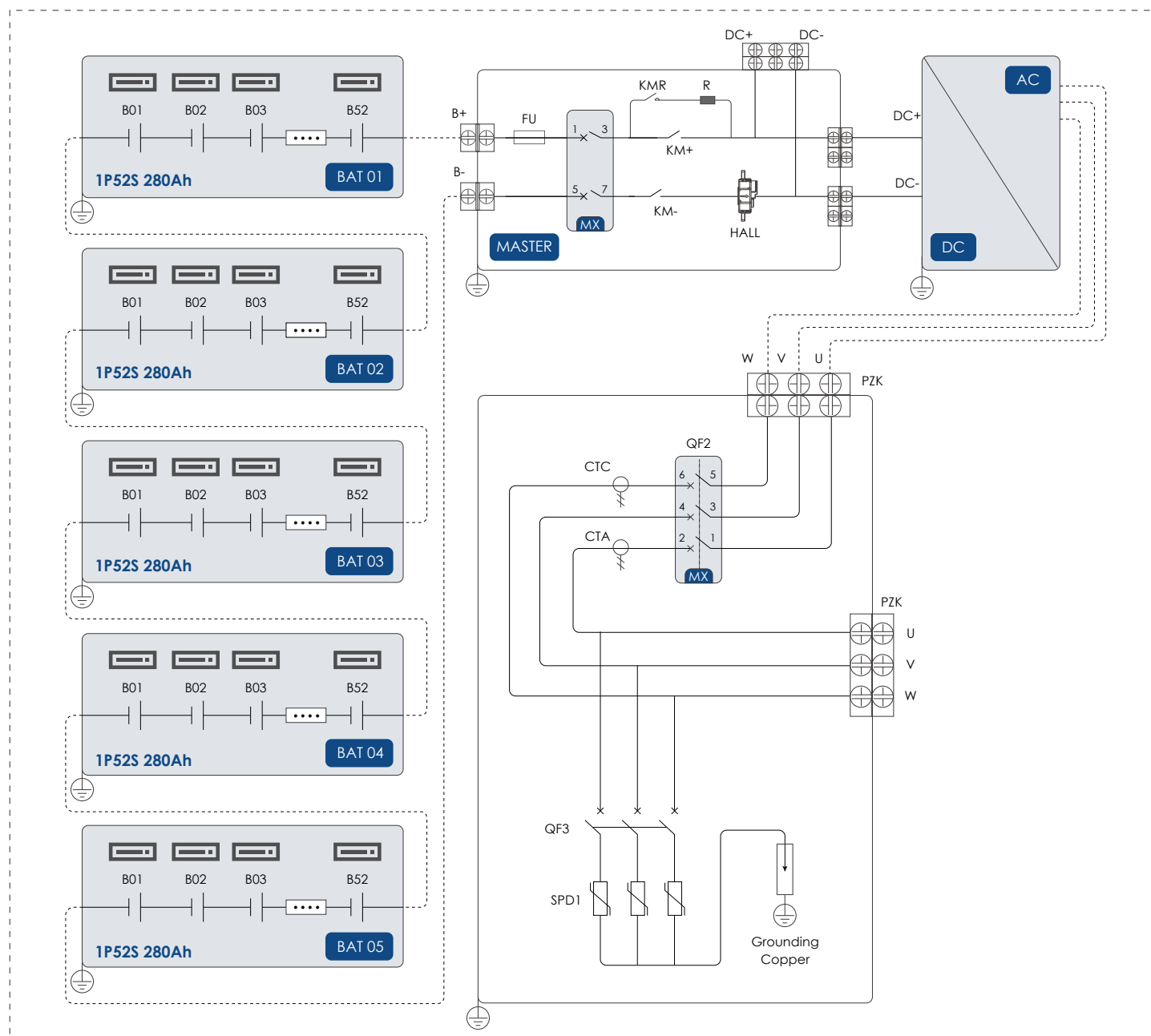
EASY INSTALLATION

- Modular design for ease of expansion.

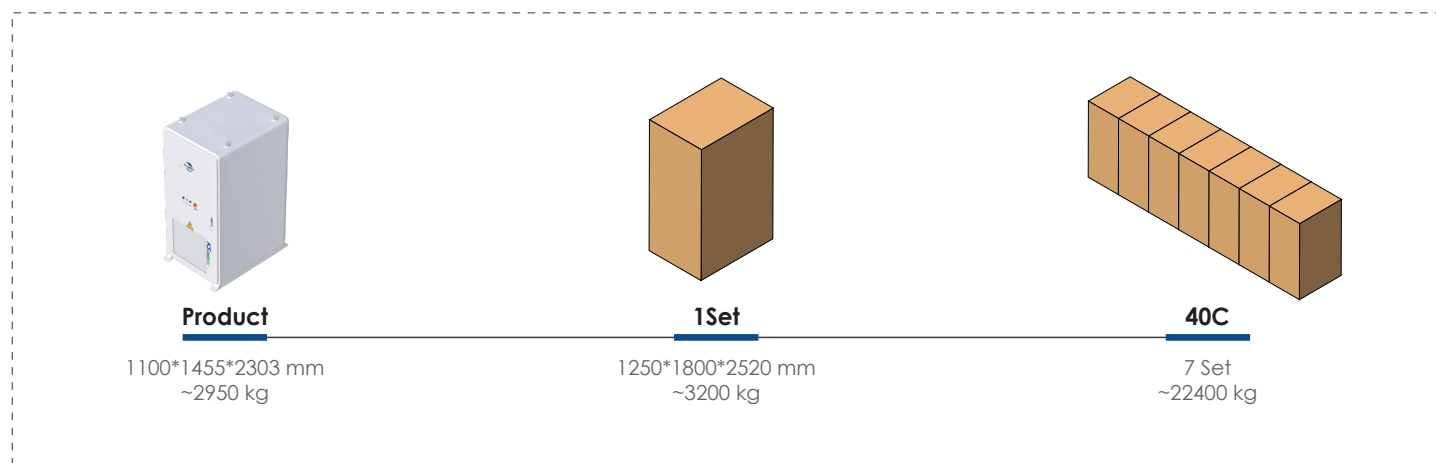
● Max. Parallel/Single System Layout



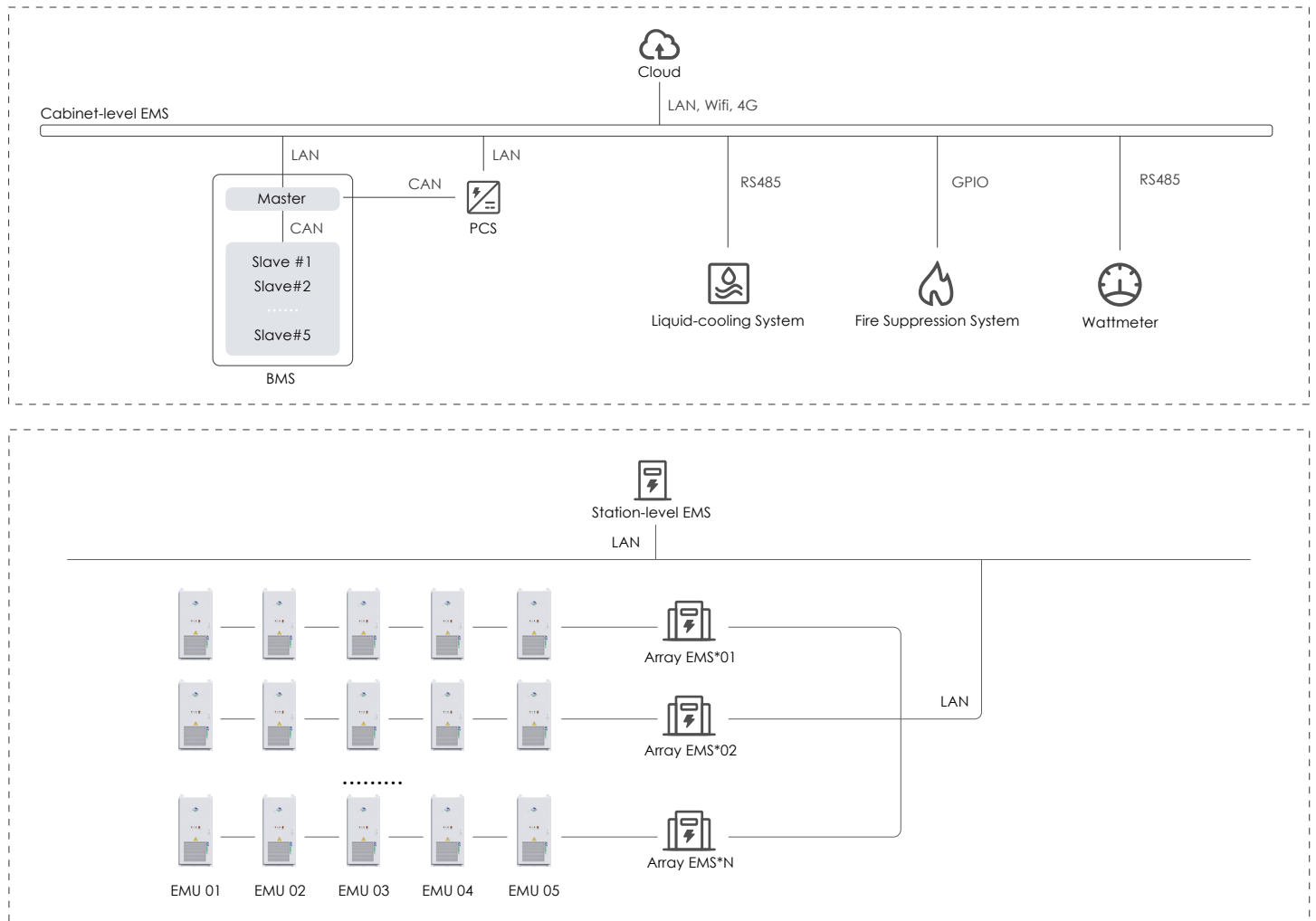
● Product Topology(For 480V System)



● Packaging & Shipping Details



● Energy Management System(EMS) Structure



● System Demonstration



● Product Specifications

Battery Energy Storage

Cell Type	LFP 3.2V / 280Ah
Module Combination	1P52S
System Combination (Modules)	5 in series
Capacity (kWh)	233
Nominal Voltage (V)	832
Operation Voltage Range (Vdc)	702~936
Discharge Depth	90% DoD
Thermal Management Mode	liquid-cooling
Thermal Control Management	Aerosol Extinguishing

AC Output

Rated AC Output Power (kW)	125
Max. AC Output Power (kVA)	150
Rated Output Voltage (Vac)	400
Output Voltage Range (Vac)	340~440(settable)
Rated Grid Frequency (Hz)	50/60
Max. Output Current (A)	182
Adjustable Power Factor	>0.99
THDi	<3%

DC Input/Output

Max. Power (kW)	250
Voltage Range (V)	761~923
Max. Current (A)	320

* The charging power of the DC interface is related to the load power, battery SOC and temperature.The discharge power of the DC interface is related to the battery's state of charge

System Characteristic

Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	5 years
Certifications	IEC/EN62619:2022, IEC/EN62477-1:2012+A11+A1+A12 IEC/EN61000-6-2:2019, IEC/EN61000-6-4:2019,EN 50549-1:2019,EN 50549-10:2022

General Parameters

Battery Model	K-KS233125A0-EU
Dimensions - W*D*H (in)	1100*1455*2303(±10)/43*57.3*93.4
Total Weight (lb)	2630(±10%)/5798(±10%)
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