

HAi KAi LiHub

All-In-One Distributed Energy Storage System



Energy Storage



PCS



EMS Cloud



Fire Protection



Outdoor/Indoor

→ Safe & Efficient

Independent cabinet and modular battery design for increased safety. Higher efficiency and longer life cycle. Double layer fire protection system with intelligent temperature control.

→ Easy to Operate & Maintain

All-in-one modular solution allows for quick installation time and minimizes maintenance required for local failures. Cloud EMS allows easy remote monitoring and control of all LiHub units.

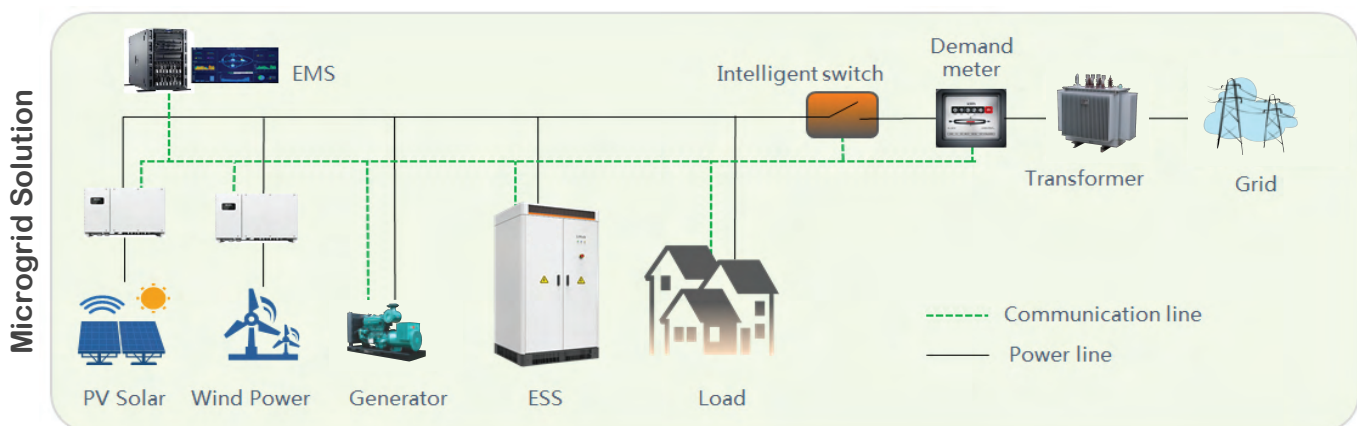
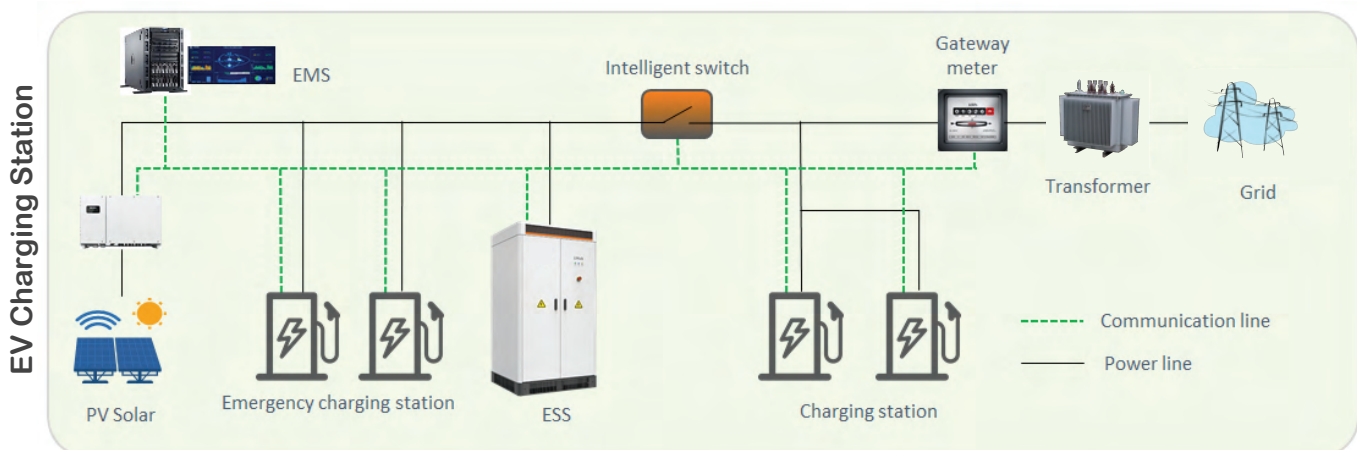
→ Versatile Functions

Built-in functionalities such as peak shaving, demand management, demand response, power expansion, emergency backup power, etc.

→ Easy to Expand

Each independent working cabinet can be connected in parallel to expand the total capacity of the energy storage system.

Example Applications



LiHub's Specifications

Model		LiHub 120kW/225kWh	LiHub 60kW/225kWh	LiHub 30kW/102kWh
Battery Parameters	Cell Parameters	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/100Ah
	Module Configuration	1P18S	1P18S	2P16S
	Module Voltage Rating	57.6Vdc	57.6Vdc	51.2Vdc
	Module Capacity	16.128kWh	16.128kWh	10.24kWh
	Module Size (W*H*D)	440*216*798mm	440*216*798mm	440*131*768mm
	Module Weight	117kg	117kg	80kg
	Cabinet Configuration	14 Modules + HVB Box	15 Modules + HVB Box	10 Modules + HVB Box
	Cabinet Capacity	225kWh	225kWh	102kWh
	Cabinet Voltage Rating	806.4Vdc	806.4Vdc	512Vdc
	Cabinet Voltage Range	706Vdc ~ 907Vdc	706Vdc ~ 907Vdc	448Vdc ~ 560Vdc
	Max. Charging/Discharging Power	120kW	60kW	30kW
	Max. Charge/Discharge Current	176A	88A	100A
On-Grid Parameters	Power Rating	120kW	60kW	30kW
	Rated Grid Voltage	400V	400V	400V
	Grid Voltage Range	-15% ~ +10%	-15% ~ +10%	-15% ~ +10%
	Rated Grid Frequency	50Hz	50Hz	50Hz
	Power Factor	-0.8 ~ +0.8 (Default 1)	-0.8 ~ +0.8 (Default 1)	-0.8 ~ +0.8 (Default 1)
	Current Distortion Rate	< 3%	< 3%	< 3%
	DC Component	< 0.5%Ipn	< 0.5%Ipn	< 0.5%Ipn
	AC System	3P+N+PE	3P+N+PE	3P+N+PE
General Data	Maximum Efficiency	≥90%	≥90%	≥90%
	Charge/Discharge Multiplier	0.53C	0.5C	0.3C
	Discharge Depth	95%DOD	95%DOD	95%DOD
	Battery Cycle Life	6000 Cycles	6000 Cycles	6000 Cycles
	Charging and Discharging Switching Time	< 100ms	< 100ms	< 100ms
	Dimensions (mm) (W*D*H)	1250*1150*2360	1250*1150*2360	800*1150*2360
	Weight	2500kg	2450kg	1500kg
	Protection Class	IP54	IP54	IP54
	Fire Protection System	Aerosols + Heptafluoropropane	Aerosols + Heptafluoropropane	Aerosols + Heptafluoropropane
	Cooling Method	Industrial Air Conditioning	Industrial Air Conditioning	Industrial Air Conditioning
Operating Temperature	-25 ~ 55	-25 ~ 55	-25 ~ 55	
Display and Communication	Communication Interface	LAN	LAN	LAN
	Communication Protocol	ModBus-TCP	ModBus-TCP	ModBus-TCP
	Human Machine Interface	10" Touch Screen	10" Touch Screen	10" Touch Screen



HAiKAi

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