

HAI+ KAï LiHub All-In-One Hybrid Energy Storage System

	Model	LiHub Hybrid-50kW/102kWh	LiHub Hybrid-50kW/193kWh
PV Parameters	Max. Input Power	60000W	60000W
	Max. Input Voltage	1000V	1000V
	MPPT Voltage Range	180-900V (Rated 630V)	180-900V (Rated 630V)
	Starting Voltage	180V	180V
	Max. Input Current	36A/36A/36A/36A	36A/36A/36A/36A
	Max. Short-Circuit Current	42A/42A/42A/42A	42A/42A/42A/42A
	Number of MPPTs	4	4
Battery Parameters	Cell Parameters	LFP 3.2V/100Ah	LFP 3.2V/280Ah
	Module Configuration	2P16S	1P18S
	Module Voltage Rating	51.2Vdc	57.6Vdc
	Module Capacity	10.24kWh	16.128kWh
	Module Size (W*H*D)	440*131*768mm	440*216*798mm
	Module Weight	80kg	117kg
	Cabinet Configuration	10 modules + HVB	12 modules + HVB
	Cabinet Capacity	102kWh	193kWh
	Cabinet Voltage Rating	512Vdc	806.4Vdc
	Cabinet Voltage Range	448Vdc ~ 560Vdc	706Vdc ~ 907Vdc
	Max. Charging/Discharging Power	50kW	50kW
	Max. Charge/Discharge Current	100A	100A
	On-Grid Parameters	Power rating	50kW
Rated Grid Voltage		230V/400V	230V/400V
Grid Voltage Range		-15% ~ +10%	-15% ~ +10%
Rated Grid Frequency		50Hz	50Hz
Power Factor		-0.8 ~ +0.8 (Default 1)	-0.8 ~ +0.8 (Default 1)
Current Distortion Rate		< 3%	< 3%
Off-Grid Parameters	AC System	3P+N+PE	3P+N+PE
	Apparent Power	50kVA	50kVA
	Power Factor	1	1
	Rated Voltage	230V/400V	230V/400V
	Rated Frequency	50Hz	50Hz
	Voltage Distortion Rate	< 1% (Linear Load)	< 1% (Linear Load)
	Unbalanced Load Capacity	100%	100%
	Overload Capacity	60kW/10S	60kW/10S
General Parameters	Off-Grid Switching Time	<10ms	<10ms
	Maximum Efficiency	≥90%	≥90%
	Charge/Discharge Rate	0.5C	0.26C
	Discharge Depth	95%DOD	95%DOD
	Battery Cycle Life	6000 Cycles	6000 Cycles
	Charging and Discharging Switching Time	< 100ms	< 100ms
	Dimensions (mm) (W*D*H)	800*1150*2000+800*600*280mm	1300*1150*2000+800*600*280mm
	Weight	1800kg	2500kg
	Protection Level	IP54	IP54
	Fire Protection System	Aerosols + Heptafluoropropane	Aerosols + Heptafluoropropane
	Cooling Method	Industrial Air Conditioning	Industrial Air Conditioning
Operating Temperature	-25 ~ 55	-25 ~ 55	
Communication Interface	RS485 (WiFi/4G/GPRS Optional)	RS485 (WiFi/4G/GPRS Optional)	

All-In-One Commercial & Industrial Hybrid Inverter + ESS Solution

