



LiHub's Features

→ Safe & Efficient

Local failure isolation design, zero battery parallel capacity loss, multi-level early warning protection; double fire warning protection; intelligent temperature control system; long-life lithium iron phosphate battery, cycle life ≥ 6000 cycles; highly efficient management, system efficiency reaches up to 91%.

→ Easy to Operate & Maintain

All-in-one solution, shortening the installation and commissioning period. Modular design minimizes impact from local failures all allows quick and easy replacement of modules. Allows remote monitoring of operating status, and early fault warning, and performs benefit analysis.

→ Versatile functions

Peak shaving and valley filling, demand management, demand response, power capacity expansion, power curtailment mode, emergency backup power, and other modes that can meet multi-scenario applications.

→ Easy to Expand

Standard one-cabinet-one-system design, each system is completely independently controlled. Multiple cabinets can be connected in parallel to expand the size of the energy storage system, enabling flexible configuration.



Applications



LiHub Series Distributed Energy Storage System adopts outdoor all-in-one design with protection level IP55. The cabinet integrates energy storage battery, battery management system BMS, intelligent power distribution system, high-performance PCS, energy management system EMS, thermal management system and fire protection system. It has the advantages of high performance, small footprint, and flexible configuration. It is widely used in indoor and outdoor application scenarios such as industrial and commercial energy storage, solar charging stations, data centers, residential buildings, and hospitals etc.

Battery Parameters

Model	LiHub-200T	LiHub-200S	LiHub-225T
Battery Type	LFP 3.2V/280Ah		
Capacity	200kWh	200kWh	225kWh
Operating Voltage	628Vdc~806Vdc	628Vdc~806Vdc	706Vdc~907Vdc

On-Grid Parameters

Rated Power	120kW	60kW	120kW
Rated Grid Voltage	220/380 (-15%~+10%) , 3P+N+PE		
Rated Grid Frequency	50Hz		
Power Factor	-1~+1 (Can be set, default is 1)		
Current Distortion Rate	<3%		
DC Component	<0.5%Ipn		

Off-Grid Parameters

Inspecting Power	120kW	60kW	120kW
Power Factor	1		
Rated Grid Voltage	220/380Vac , 3P+N+PE		
Rated Grid Frequency	50Hz		
Voltage Distortion Rate	<1% (Linear Load)		
Unbalanced Load Capacity	100%		
Overload Capacity	110% 10min , 120% 1min		

System Parameters

Max. Efficiency	≥90%	≥91%	≥90%
Charge/Discharge Rate	0.6C	0.3C	0.53C
Depth of Discharge	95%DOD		
Cycle Life	6000 Cycles		
Switching Time	<100ms		
Comm. Interface	LAN/RS485		
Size (W*H*D)	1250*2260*1150mm		
Weight	2200kg	2150kg	2350kg
Protection Level	IP55		
Fire Fighting System	Aerosol+Heptafluoropropane		
Cooling Method	Airconditioning		
Operating Temp.	-25°C-55°C		

