



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, 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.

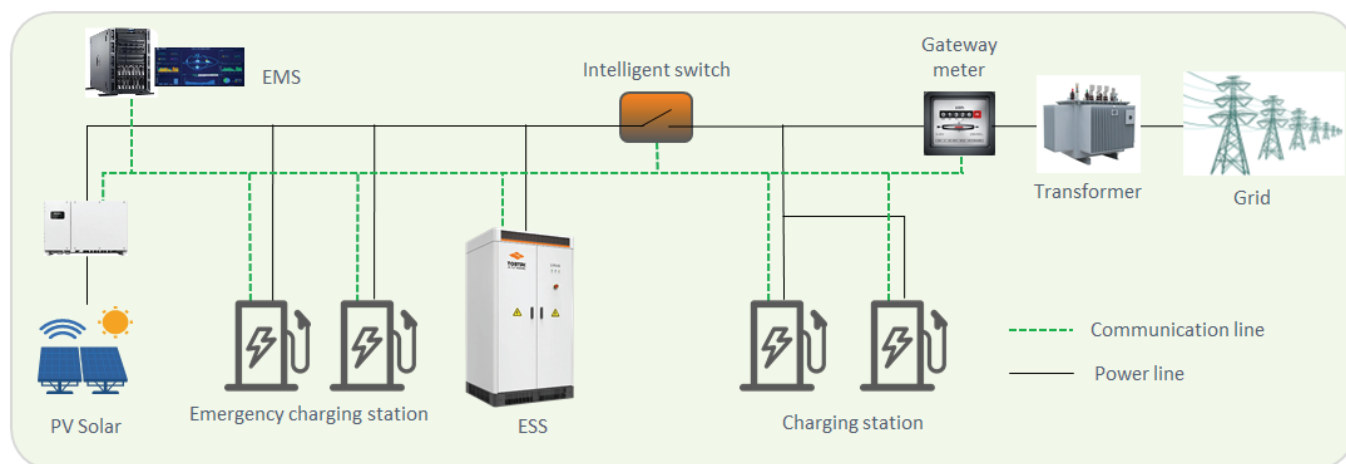


Applications

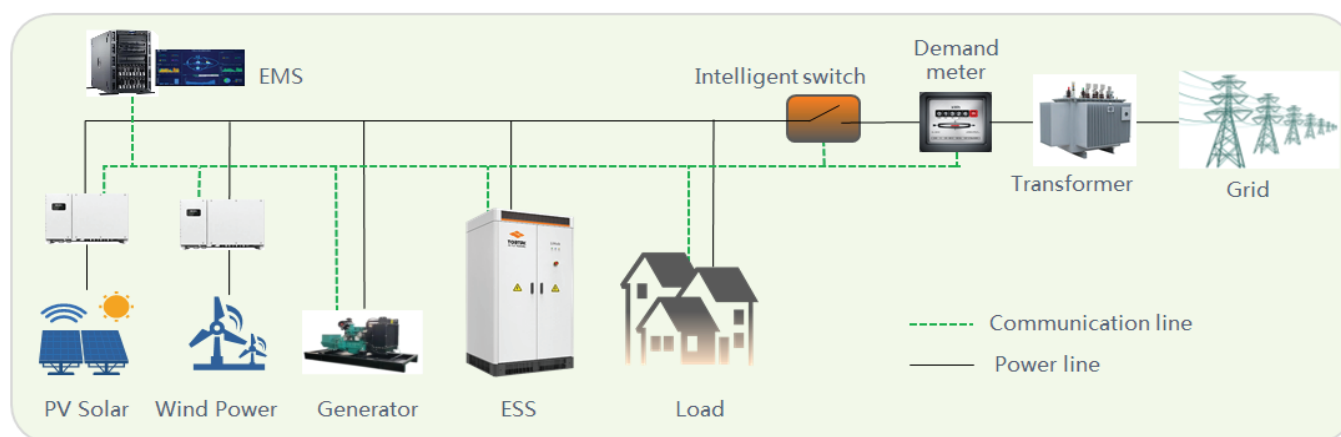


LiHub Series Distributed Energy Storage System adopts outdoor all-in-one design with protection level IP55. The cabinet integrates energy storage battery, battery management system BMS, intelligent power distribution system, high-performance PCS, energy management system EMS, thermal management system 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, EV charging stations, data centers, residential buildings, and hospitals etc.

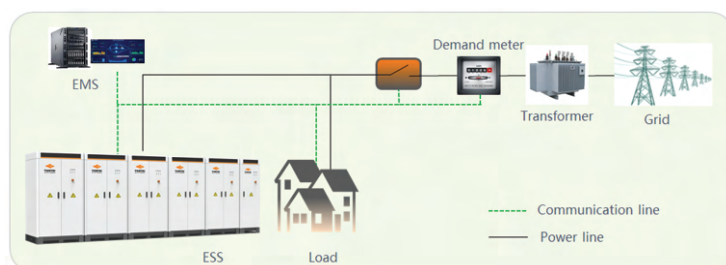
Applications and Solutions



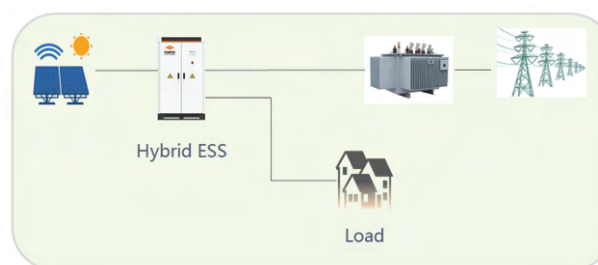
EV Solar Charging Solution



Microgrid Energy Storage System



Industrial and Commercial ESS Solution



ESS with Hybrid Inverter

Specifications		LiHub-100/30kW		LiHub-100S	LiHub-200S	LiHub-200T	LiHub-225S	LiHub-225T
Battery	Cell parameters	LFP 3.2V/280Ah			LFP 3.2V/280Ah			
	Module configuration	2P16S			1P16S		1P18S	
	Module rated voltage	51.2Vdc			51.2Vdc		57.6Vdc	
	Module capacity	14.336kWh			14.336kWh		16.128kWh	
	Module size (W*H*D)	440*219*798mm			440*219*798mm			
	Module weight	≤106kg			≤106kg		≤117kg	
	System configuration	7 modules + 150 HVB	7 modules +250 HVB	14 modules +250 HVB				
	System capacity	100kWh			200kWh		225kWh	
	System rated voltage	358.4Vdc			716.8Vdc		806.4Vdc	
	System voltage range	280Vdc～403Vdc			628Vdc～806Vdc		706Vdc～907Vdc	
On-Grid	Rated power	30kW	60kW	60kW	120kW	60kW	120kW	
	Rated grid voltage	400V						
	Rated grid frequency	50Hz						
	Power factor	-1～+1（Can be set, default is 1）						
	Current Distortion Rate	<3%						
	DC component	<0.5%I _{pn}						
	Communication system	3P+N+PE						
Off-Grid	Inspecting power	30kVA	60kVA	60kVA	/	60kVA	/	
	Power factor	1			/	1	/	
	Rated voltage	400V			/	400V	/	
	Rated frequency	50Hz			/	50Hz	/	
	Voltage distortion rate	<1%（Linear load）			/	<1%（Linear load）	/	
	Unbalanced load capacity	100%			/	100%	/	
	overload capacity	110%-10 mins 120%-1 mins			/	110%-10 mins 120%-1 mins	/	
General Data	Maximum efficiency	≥91%	≥91%	≥91%	≥90%	≥91%	≥90%	
	Charge and discharge rate	0.3C	0.6C	0.3C	0.6C	0.267C	0.53C	
	Depth of discharge	95%DOD						
	Battery cycle life	6000	6000	6000				
	Charge and discharge	<100ms						
	On and off grid switching time	<10ms	<10ms	<10ms	/	<10ms	/	
	Communication Interface	LAN/RS485						
	Dimensions (W*H*D)	1300*1800*1150mm			1300*2300*1150mm			
	Weight	1500kg	1500kg	2300kg	2350kg	2450kg	2500kg	
	Protection class	IP54						
	Fire Fighting System	Aerosol + Heptafluoropropane						
	Cooling method	Industrial air conditioner(1.5kW)			Industrial air conditioner(3kW)			
Operating temperature	-25℃～55℃							