

ALL-in-one Energy Storage System

Key Features

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

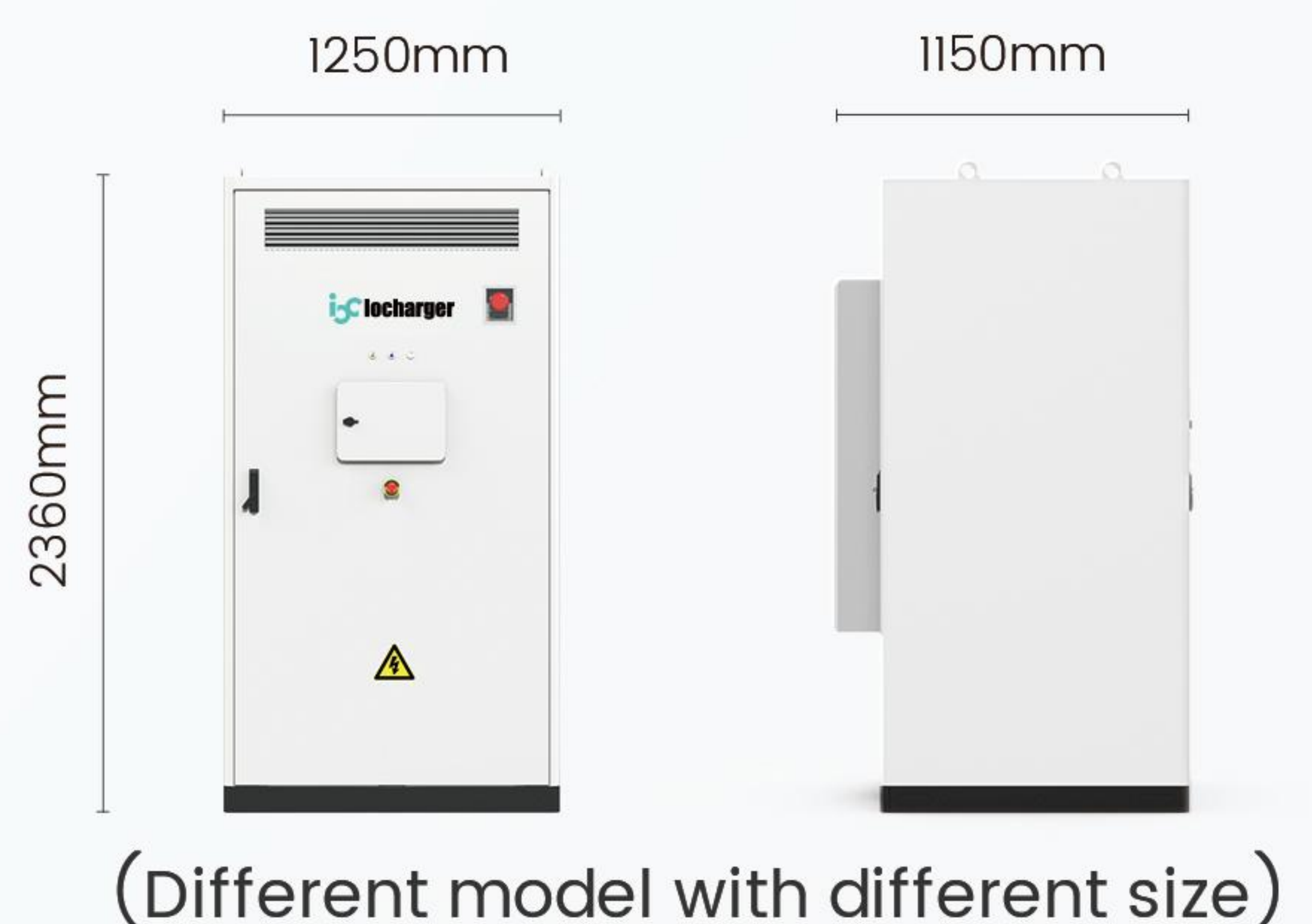
All-in-one modular solution allows for quick installation time and minimizes maintenance required for local failures. Cloud EMS allows easy remote monitoring and control of all LiHub units.

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.



Easily expandable up to 5 units

Specification

Specifications are subject to change without notice.

Model	IOC120EP225	IOC60EP225	IOC30EP102	
Battery Parameters	Cell Parameters	LFP 3.2V/280Ah		
	Module Configuration	1P18S		
	Module Voltage Rating	57.6Vdc		
	Module Capacity	16.128kWh		
	Module Size (W*H*D)	440*216*798mm		
	Module Weight	117kg		
	Cabinet Configuration	14 Modules + HVB Box		
	Cabinet Capacity	225kWh		
	Cabinet Voltage Rating	806.4Vdc		
	Cabinet voltage range	706Vdc~907Vdc		
	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		
	Grid Voltage Range	-15%~+10%		
	Rated Grid Frequency	50/60Hz		
	Power Factor	-0.8~+0.8 (Default 1)		
	Current Distortion Rate	<3%		
	DC Component	<0.5%I _{pn}		
	AC System	3P+N+PE		
General Data	Maximum Efficiency	≥90%		
	Charge/Discharge Rate	0.53C	0.5C	0.3C
	Discharge Depth	95%DOD		
	Battery Cycle Life	8000 Cycles		
	Fire Protection System	Aerosols + Heptafluoropropane		Aerosols
	Dimensions (mm) (W*D*H)	1250*1150*2360		1100*1150*2100
	Weight	2500kg	2450kg	1500kg
	Protection Class	IP55		
	Cooling Method	Industrial Air Conditioning		
	Operating Temperature	-25°C~55°C		
Display and Communication	Communication Interface	LAN		
	Communication Protocol	ModBus-TCP		
	Human Machine Interface	10" Touch Screen		