

EpowerHub

Charging Today.
Powering Tomorrow.



SETEC POWER

setecpower.com

EpowerHub

430kWh-1075kWh

EpowerHub (BESS) integrates renewable energy generation, storage and power supply to provide businesses with a stable, flexible and cost-effective energy solution. It effectively reduces reliance on utility power, ensures continuity of operation during power outages or high loads, and helps companies optimize their power consumption structure while achieving sustainable development goals.



System Demonstration



Product Features

Customizable

Custom Individual Solutions

- Shape
- Appearance
- Power
- Languages

Grid Load Relief

EpowerHub's built-in energy storage system relieves the strain that high-power DC charging puts on the grid, guaranteeing stable charging in areas of peak usage or power constraints.

Bidirectional Charging Capability

It supports a two-way flow of power—storing excess energy when it is available and supplying it back to the grid when needed.

Green Energy Solutions

By receiving renewable energy such as wind and solar energy, it is efficiently converted into clean electricity.

Application Scenario



Data	Model	430kWh	860kWh	1075kWh
Battery Energy Storage	Cell Type	LFP 3.2V/280AH	LFP 3.2V/280AH	LFP 3.2V/280AH
	String Configuration	2*240P	4*240P	5*240P
	Capacity (kWh)	430kWh	860kWh	1075kWh
	Nominal Voltage(V)	768		
	Operation Voltage Range(Vdc)	672 ~ 852		
	Max. Continuous Charge	560A(1C)	1120A(1C)	1400A(1C)
	Max. Continuous Discharge	560A(1C)	1120A(1C)	1400A(1C)
System Characteristic	Battery Charging	AC, Wind power, Solar energy		
	Communication Interface	CAN, RS485, Ethernet		
	Thermal Control Management	Aerosol Extinguishing or PFH		
General Parameters	Battery System Dimensions(W*D*H)	6058×2438×2591 (20ft×8ft×8ft6in)		
	Battery System Total Weight	6000kg	9000kg	10000kg
	Operation Altitude	3000m/10000 feet(>3000m/10000 feet derating)		
	Nosie Level@1m	< 65dB		
	IP Rating	IP54		
	Operation Temperature	-20°C to 55°C (De-rating over 45°C)		
	Operation Humidity(Rh)	≤95%, No Condensation		
	Storage Conditons	-20°C to 30°C, Up to 95% RH, non-condensing, State of Energy (SoE): 50% initial		

*Unique custom needs please talk to SETEC POWER