

SMART BESS

Aberdare's 20-foot liquid-cooled container is a cutting-edge energy storage solution that offers high energy density, long cycle life, safe and reliable operation, intelligent energy management, easy installation and maintenance, and flexible deployment and scalability.



HELIOS C20_(HT-ESS-3.72MWh-L)

20-FOOT UTILITY ENERGY STORAGE SYSTEM

Excellent cell performance and long service life

Integrated liquid cooling plate in the housing reduces the risk of leakage

Dynamic temperature control higher efficiency

Cloud monitoring, intelligent management and operation and maintenance

Stackable, flexible layout, supports PACK-level fire protection

Small footprint, highly integrated overall transportation



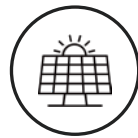
Power generation side



Wind power generation side



Grid-side



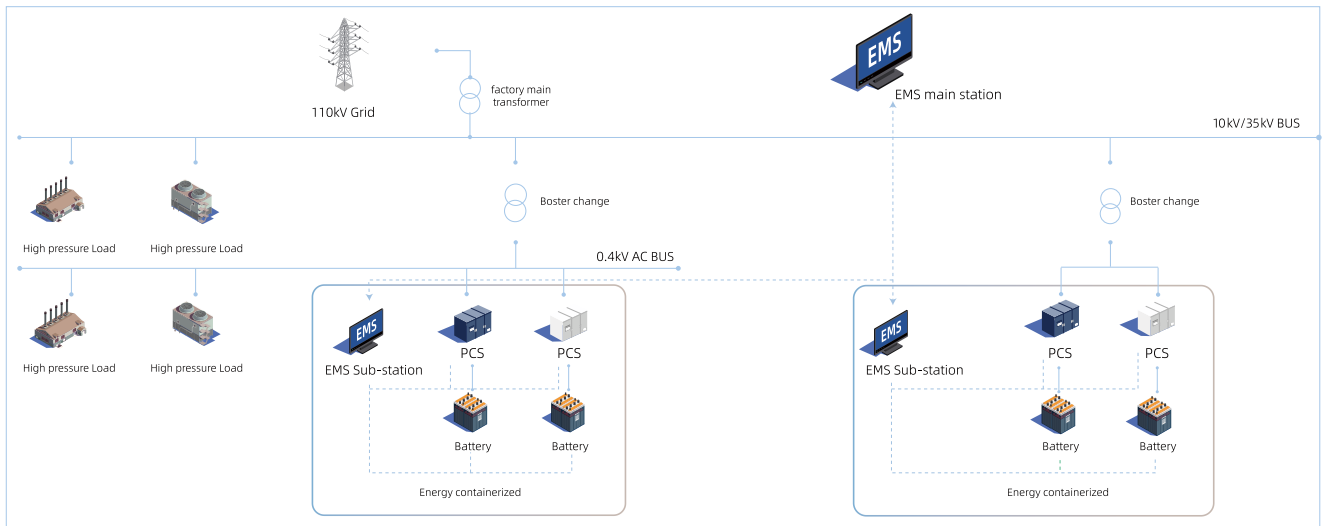
Photovoltaic power generation side



Commercial and industrial



Microgrid



Product Model	HT-ESS-3.72MWh-L	
Product Type	LFP battery bank	
Configuration	10*(1P52S*8)	
Rated Energy	3.72MWh	
Rated Voltage	1331.2V DC	
Voltage Range	1164.8~1497.6V DC	
Rated Charging Power	1863.68kW	
Rated Discharging Power	1863.68kW	
Auxiliary Power Supply	3AC 380...480V	
Environment Condition	Storage Temperature	-25°C~55°C
	operation Temperature	-25°C~55°C
	Application altitude	≤4000m(Derating, up to 4000m)
General Parameters	Size(L*W*H)	6058*2462*2896mm
	Weight	≈35t
	IP Level	IP55 (Battery Room) IP45 (Electrical Room)
	Cooling mode	Liquid Cooling
	Communication protocol	CAN, TCP/IP
	Coolant	50% Ethylene glycol aqueous solution

