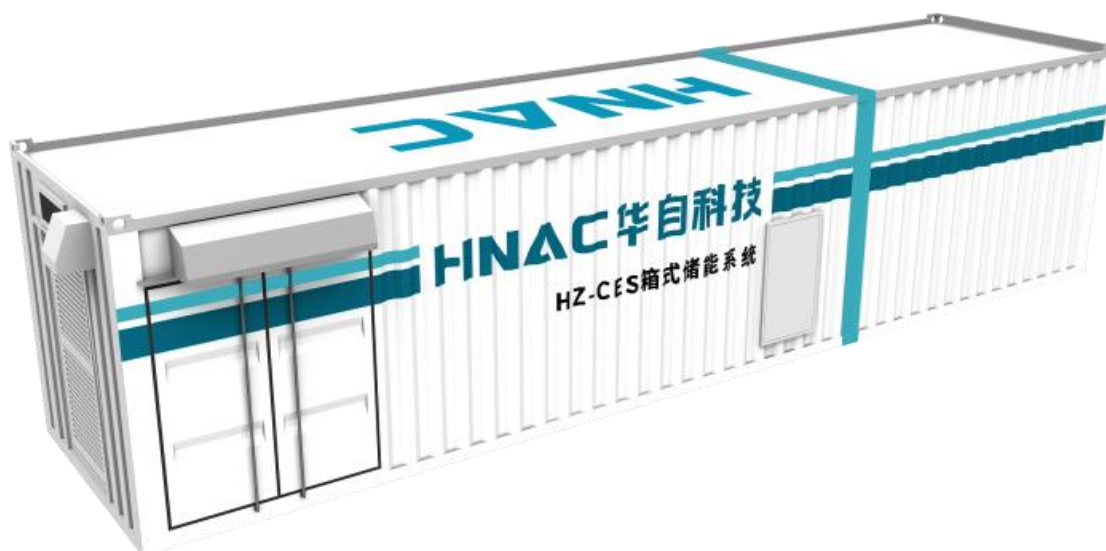


500kW/1MWh BESS

1. Product Description

The standard product is 500kW/1MWh, which adopts the integrated design of the container. The system is highly integrated, including battery, PCS, energy management system, temperature control system, door access control system, etc. It can be used for user-side microgrid system. It can realize peak shaving function, smooth fluctuation, dynamic capacity increase, and provide backup power in off-grid mode.



2. Technical features

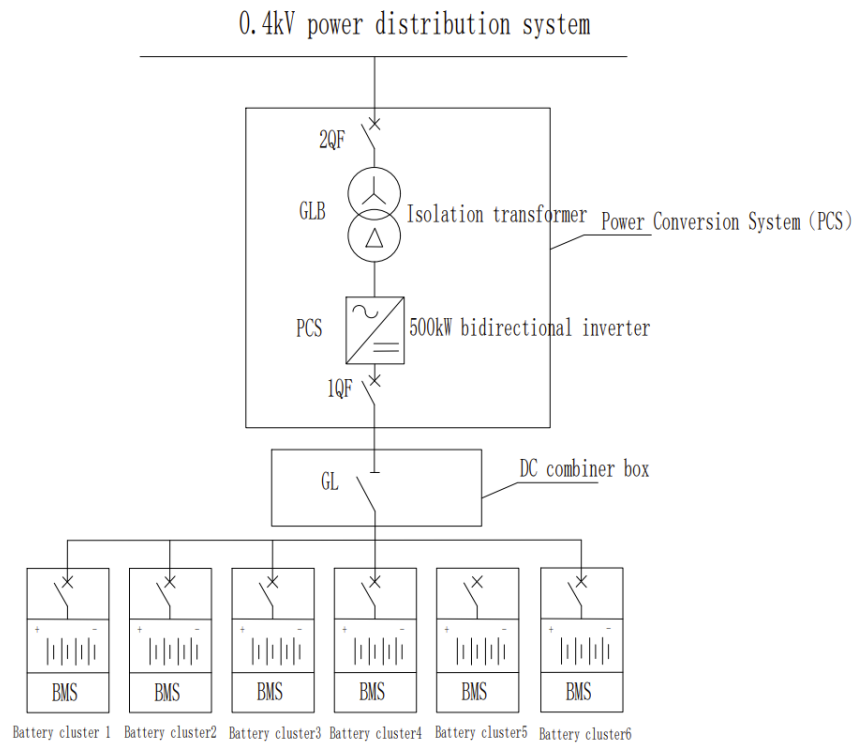
- High system integration
- full functioning
- Safe and reliable

3. Technical Parameters

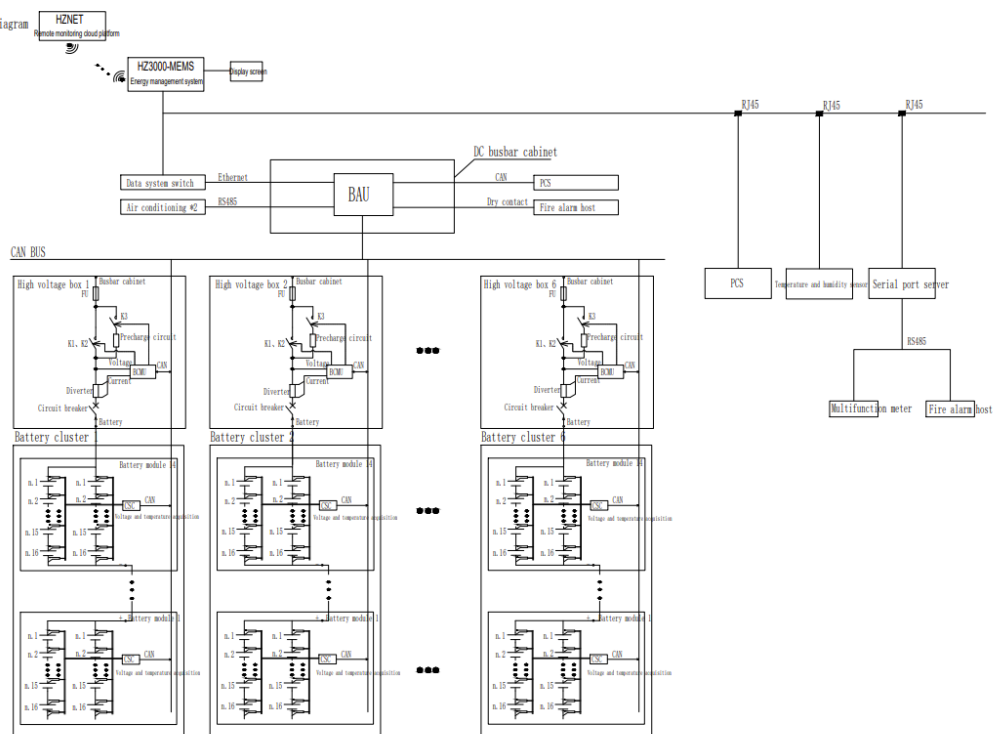
No	Name	unit	parameter
System parameters			
1	model	/	HZ-CES-HJ-500kW-1000kWh
2	curb weight	T	25
3	size	HC	30
4	Rated output power	kW	500
5	Rated grid voltage	V	400Vac
6	Allowable grid frequency range	Hz	49.5~50.2Hz
7	isolation transformer	/	yes
8	cooling method	/	Temperature control intelligent air cooling
9	BMS communication interface	/	RS485/CAN
Battery parameters			
10	Battery Type	/	Lithium iron phosphate battery
11	Battery rated capacity	Ah	120
12	Total battery energy	kWh	1050.624
13	Nominal voltage	V	729.6
14	Working voltage range	V	638.4~809.4
15	Battery charge and discharge cycle times	circle	6000
16	Battery PACK box	/	2P12S
17	Insulation properties	(Ω/V)	>1000

4. Topology

Primary system topology diagram



Secondary network architecture diagram



Ethernet cable —————

RS485 serial port —————

CAN —————

Dry contact —————

5. Equipment List

No	Name	Model	Unit
1	Energy storage battery stack	1050.624kWh	1
2	System cabinet		2
3	Temperature Control System		1
4	fire control system	Heptafluoropropane	1
5	camera		1
6	Electrical box temperature and humidity regulator (air conditioner)	1.EC.0131ATBU402	2
7	Cabinet and accessories	9125(W)x2438(D)x2896(H)mm	1
8	EMS		1
9	PCS	HZ-PCS500JLHT	1
10	Auxiliary material		1