105kW/241kWh

Air-Cooled Energy Battery Storage
Outdoor Cabinet

All-In-One Design

Battery and inverter are integrated into one cabinet, saving installation time and cost

Safe

13 automatic fire extinguishers
121 temperature sensors

Scalability

Up to 24 units in parallel

Efficient

RTE efficiency up to 89%
3% higher than similar products

APPLICATION SCENARIOS:

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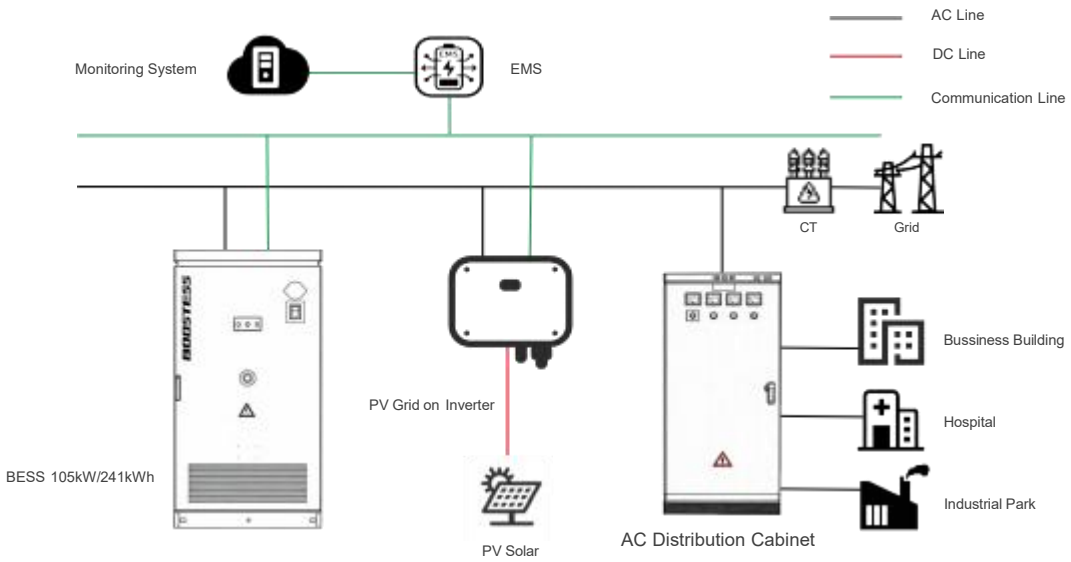

BESS SIDE

		DC Parameter	
Battery Type	LFP	Voltage Range	672V-876V
Configuration	1P240S	Cooling Mode	Air Conditioning Cooling
Rated Capacity	314Ah	Battery Cycle	6000 @25℃, 70%SOH 0.5P
Rated Energy	241.152kWh	Fire Protection	Aerosol Extinguishing*12,Water
Rated Voltage	768V	Sensor	Flammable gas, smoke, temperature, water leak
Rated Power	120.5kW	Rated Charge/Discharge Rate	0.5P
		AC Parameter	
Rated Output Power	105kW		
Rated Voltage	203V / 400V (-15%~+15%)		
Frequency	50Hz/60Hz		
Max. Output Current	167A		
Power Factor	0.99/-1~1		
	System Parameter		
Operating Temperature	-20℃~55 ℃(>45 ℃ derating)		
Noise	≤75dB		
Size (W*D* H mm)	1200*1600*2300		
Weight	About 2.5t		
Protection	IP54		
Humidity	0-95%(no condensation)		
Altitude	≤4000m(degraded above 2000m)		
Communication interface	CAN， Ethernet ModbusTCP， MQTT		
Application	Peak shaving, VPP, Solar regulate, Off-grid		
Certification	IEC62619, IEC60730, IEC62477, IEC63056, IEC61000, UN38.3		
Units expansion	On-grid :up to 10 units in parallel Off-grid: up to 6 units in parallel		

PCS SIDE

	AC Parameter		
Rated voltage	230V / 400V	Max. current	170A
Voltage range	±15%	Power factor	0.99 / -1~ 1
Rated frequency	50 / 60Hz	Current distortion rate	<2% (rated power)
Wiring method	Three-phase Three-wire / Three-phase Four-wire	DC component	0.5%
Rated power	105kW	Overload capacity	110% long term
Max. power	115.5kW	Max. efficiency	98.5%
	DC Parameter		
Operating voltage range	615V~950V (3W+PE) / 650V~950V(3W+N+PE)		
Maximum current	167A		
	General Parameters		
Dimension （W × H × D）	500 × 270 × 670mm		
Weight	59kg		
Altitude	4000 m (derate above 2000m)		
Operating temperature	-30 ℃~ 55 ℃		
Humidity	0% RH~95% RH， non-condensing		
Cooling method	Intelligent air cooling		
IP rating	IP20		
Communication	CAN / RS485 / Ethernet		
Storage temperature	-45 ℃~70 ℃		

BATTERY PACK SIDE

	Battery Pack Parameter
Battery type	LFP 314Ah
Battery capacity	20.096kWh
Battery configuration	1P20S
Rated battery voltage	64V
Battery voltage range	56~72V
Weight	138kg
Dimensions (W*H*D)	490*896.5*230mm
Rated charge	157A
Relative humidity	0~95%RH (non-condensing)
Max. Operation altitude	4000m(derate above 2000m)
Ingress protection	IP20
Certifications	IEC 62619, EN/IEC 61000, UN38.3