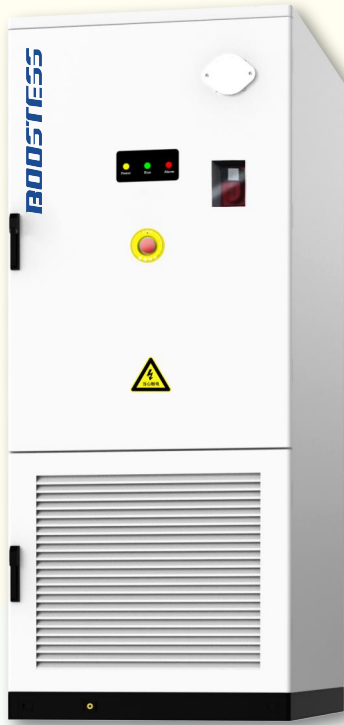




125kW/261kWh

Liquid-Cooled Energy Battery Storage Outdoor Cabinet



Smart Cooling

Make the cooling easier



Scalability

Up to 12 units in parallel



Efficient

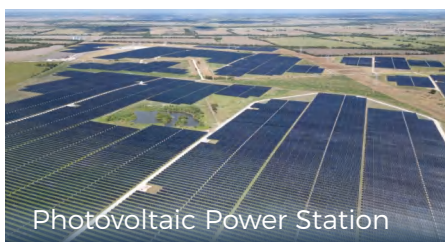
RTE efficiency up to 89%
3% higher than similar products

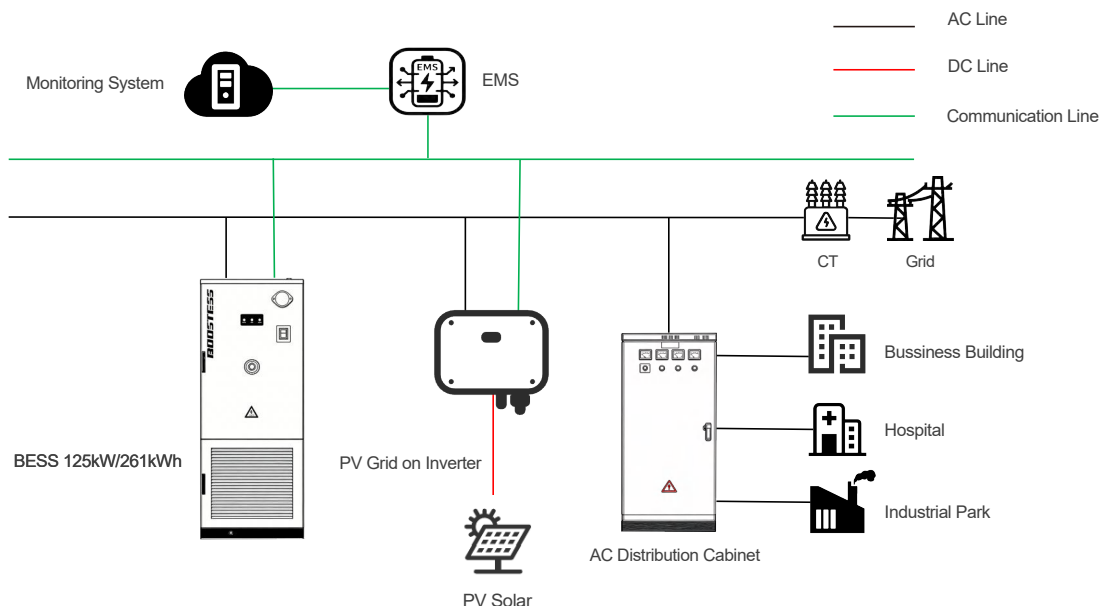


Safe

6 automatic fire extinguishers
141 temperature sensors

Application Scenarios:





BESS SIDE

DC Parameter			
Battery Type	LFP	Voltage Range	728V-949V
Configuration	1P260S	Cooling Method	Liquid Cooling
Rated Capacity	314Ah	Battery Cycle	8000@25°C, 70%SOH 0.5P
Rated Energy	261kWh	Fire Protection	Aerosol+Water Fire Fighting+ Acoustic and Optical Alarm
Rated Voltage	832V	Sensor	Flammable gas, smoke, temperature, water leak
Rated Power	130.5kW	Rated Charge/Discharge Rate	0.5P
AC Parameter			
Rated Output Power	125kW		
Current overload capacity	1.1 Long-term		
Wiring method	Three-phase Four-wire		
Allowed Grid Voltage	230/400V		
Allowed Grid Frequency	50/60Hz		
Current Harmonic Distortion	<2%(at rated power)		
Power Factor	0.99		
Power Factor Range	1 (leading) ~ 1 (lagging)		
DC Component	<0.5%		
Maximum Efficiency	≥98.5%		
Cooling Method	Forced Air Cooling		
System Parameter			
Operating Temperature	-20°C～55°C(>45°C derating)		
Noise	≤75dB		
Size (W*D*H mm)	1000*1350*2350		
Weight	About 2.6t		

Protection	Battery Pack:IP67 Cabinet:IP54
Humidity	0-95%(no condensation)
Altitude	≤4000m (degraded above 2000m)
Communication Interface	CAN, Ethernet, RS485
Communication Protocol	CAN2.0, ModbusTCP/RTU
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 AC output power	125 kW	Rated grid frequency	50 ± 5 Hz / 60 ± 5 Hz
Max. AC output apparent power	137.5 kW	Power factor range	-1 lagging ~+1 leading
Max. current	200 A	THDi(rated power)	< 3%
AC output type	(3W+PE) three-phase three-wire/ (3W+N+PE)three-phase four-wire	DC component	< 0.5% (rated power)
Rated AC voltage	230 / 400 V	Overload capacity	110% long term(at rated)
Voltage deviation	-15%~ +15%	Maximum efficiency	98.5%
DC Parameter			
Operating voltage range	615~950 (3W+PE) /650~950 (3W+N+PE)	Number of inputs	1
Full load voltage range	615~950 (3W+PE) /680~950 (3W+N+PE)	Maximum current	170 A
General			
Dimension (W × H × D)	520 × 232 × 785 mm	Cooling method	Intelligent air cooling
Weight	73 kg	IP rating	IP20
Altitude	4000 m (derate above 2000 m)	Communication	CAN / RS485 / Ethernet
Humidity	0% RH ~ 95% RH, non-condensing	Storage temperature	-45 °C ~ 70 °C

BATTERY SIDE

Battery Pack Side			
Battery type	LFP 314Ah	Dimensions (W*D*H)	790*1145*245 mm
Battery capacity	52.249 kWh	Charge / Discharge current	157 A
Battery configuration	1P52S	Relative humidity	0~95%RH (non-condensing)
Rated battery voltage	166.4 VDC	Max. Operation altitude	4000 m
Battery voltage range	145.6~ 189.8 V	Ingress protection	IP67
Weight	350 ±5 kg	Certifications	IEC 62619, EN/IEC 61000, IEC62477, UN38.3