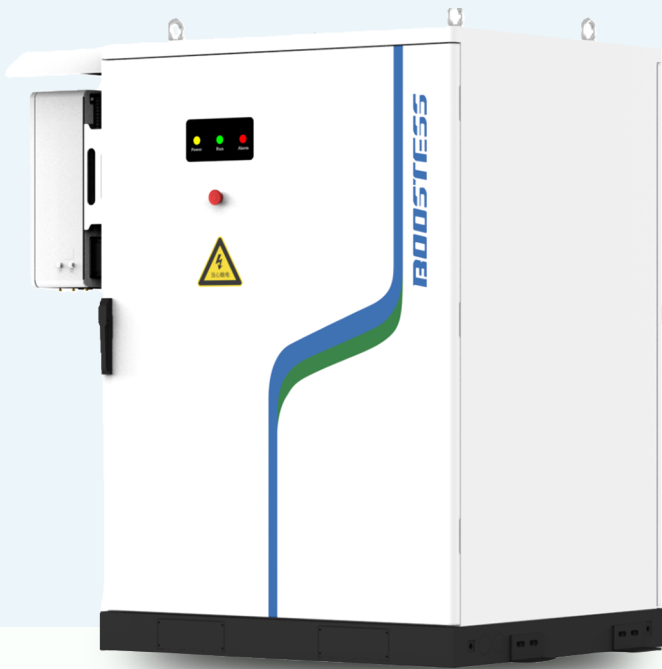


Air-cooled Energy Battery Storage Outdoor Cabinet



50kW/100kWh

Commercial & Industrial ESS



HIGH INTEGRATION

The equipment is highly integrated, with a compact product size, occupying only 1.2 square meters per cabinet



RELIABLE PERFORMANCE

Low Loss Series Connection on the DC Side
Dynamic Temperature Regulation
Enhanced ESS Cycling Efficiency



SECURITY AND STABILITY

Utilizing Top-Tier Battery Cell Suppliers
Battery Safety Warnings and Fault Switching
Automatic Fire System Response



MULTI-UNIT PARALLEL EXPANSION

Flexible Scalability, On-Demand Configuration
Supports Multiple Units Parallel
Cooperative Control



PV / DG APPLICATION

Directly connecting solar panels modules or diesel generators to establish an independent power grid



APP INTELLIGENT CONTROL

Enhance energy efficiency by controlling the operational status and strategies of the devices through a mobile app

TECHNICAL PARAMETERS

DC Parameter			
Battery Type	LFP	Operating Voltage Range	280V~408.8V
Combination Mode	1P112S	Charge/Discharge Current	140A/140A
Rated Capacity	280Ah	Cooling Mode	Air Conditioning Cooling
Rated Energy	100kWh	Battery Cycle	8000@25 °C, 80%DOD0.5P
Rated Voltage	358.4V	Fire Protection System	Aerosol Extinguishing
Rated Power	50kW	Detector Type	Temperature / Smoke Sensor / Water Leak
PV Parameter			
Max. Input Power	96kW		
Max. Dc Input Voltage	1000V		
Mppt Operating Voltage Range	150-850V		
Max. Input Current	40A×4		
Rated Output Power	50kW		
Max. Conversion Efficiency	98.5%		
AC Parameter			
Rated Output Power	50kW		
Rated Voltage	3L/N/PE; 220/380V; 230/400V; 240/415V		
Grid Frequency	50/60Hz		
Max. Output Current	78A		
Power Factor	0.99 (0.8 Lead... 0.8 lag)		
System Parameter			
Operating Environment	-20℃~55℃(Power derating 45℃+)		
Size (W*D*H mm)	1130*1000*1600		
Weight	About1.4t		
Class Of Protection	IP54		
Allowable Relative Humidity	0-95%		
Allowable Altitude	≤4000m(Power derating 2000m)		
Certification Standard	IEC62619, EN62477, IEC63056, IEC61000, UN38.3, IEC61727, EN50549-1, VDE-AR-N 4105, NTS631, TORErzeuger, AS4777.2, NRS097-2-1		