

BESS GENSTOR-215

C&I Battery Energy Storage System

Advantages & Highlights:

Security:

Partition safety isolation, active safety monitoring, early warning design, to ensure that the system is safe and controllable.

Economy:

Zero tolerance loss, efficient multi-frequency conversion, temperature control.

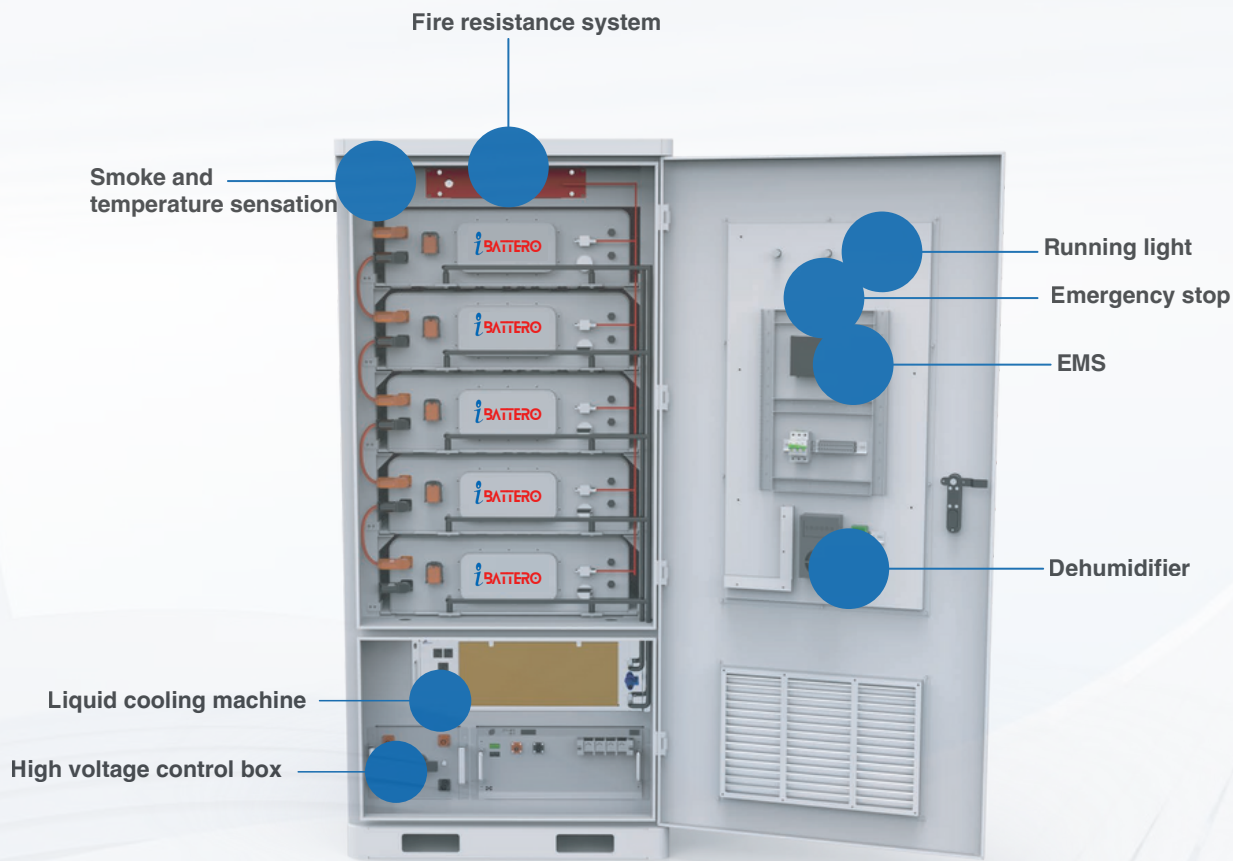
Intelligence:

A variety of control modes include: embedded cutting peak and valley filling, demand management, light storage and charge control, high Speed scheduling, operation data can be accessed to BLUESUN ESS Cloud through wi ENERGY, 4G, 5G, LAN, etc. Realize unattended.

Convenience:

Its output can be directly connected to wind power and photovoltaic systems, integrating all energy storage system components. single Cabinets can be completely controlled independently, and multiple cabinets can be connected in parallel to realize the capacity expansion function of the energy storage system Unified perfect docking.





TECHNICAL SPECIFICATION —BESS GENSTOR-215

BATTERY

Battery Type	LiFePO4
Rated Charge/Discharge Performance	0.5C
Rated Voltage [V]	768
Operating Voltage [V]	672 ~ 876
Cell Rated Capacity [Ah]	280
Rated Capacity [kWh]	215.04
Composition	1P240S

AC OUTPUT (ON GRID)

Rated Output Power [kW]	100
Rated Output Current [A]	159
Rated Grid Voltage [V]	3 / N / PE, 230 / 400
Rated Grid Frequency [Hz]	50 / 60
Power Factor	> 0.99
Power Factor Adjustable Range	1 (0.9 Leading ~ 0.9 Lagging)
DC Component	< 0.5% In
THDi	< 3% (@ Rated Power)



AC OUTPUT (OFF GRID)

Rated Output Power [kW]	100
Max. Output Current [A]	159
Rated Output Voltage [V]	3 / N / PE, 230 / 400
Rated Output Frequency [Hz]	50 / 60
Unbalanced Load Capacity	100%

GENERAL DATA

Ingress Protection	IP54
Cooling Method	Battery Compartment (Liquid Cooled), Electrical Cabin (Air Cooled)
Fire Protection System	Aerosol, Perfluorohexanone
Relative Humidity	0 ~ 95%, Non-condensing
Temperature Range [°C]	-20 ~ +50
Altitude [m]	4000 (> 2000 Derating)
Communication	RS485, CAN
Communication Protocol	Modbus, IEC104
Weight [kg]	≈ 2600
Dimension (W×D×H) [mm]	1000 × 1330 × 2350
Delivery Method	Integral Transportation