

BSC Series

BSC-261KWH

Commercial energy storage system Standard Proposal



Advantages & Highlights:

Security:

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

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 wifi ENERGY, 4G, 5G, LAN, etc. Realize unattended.

Economy:

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

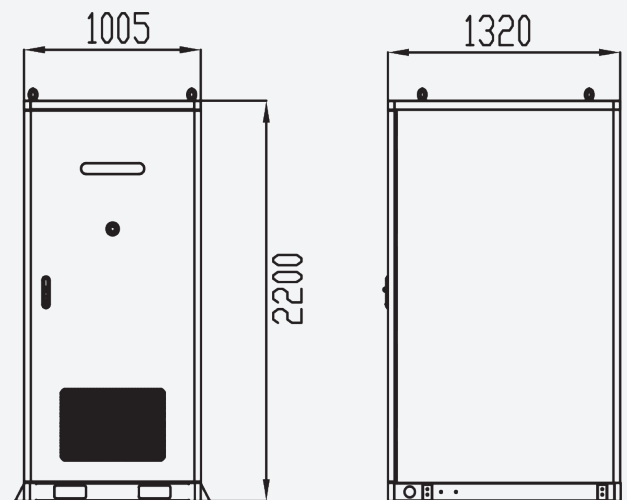
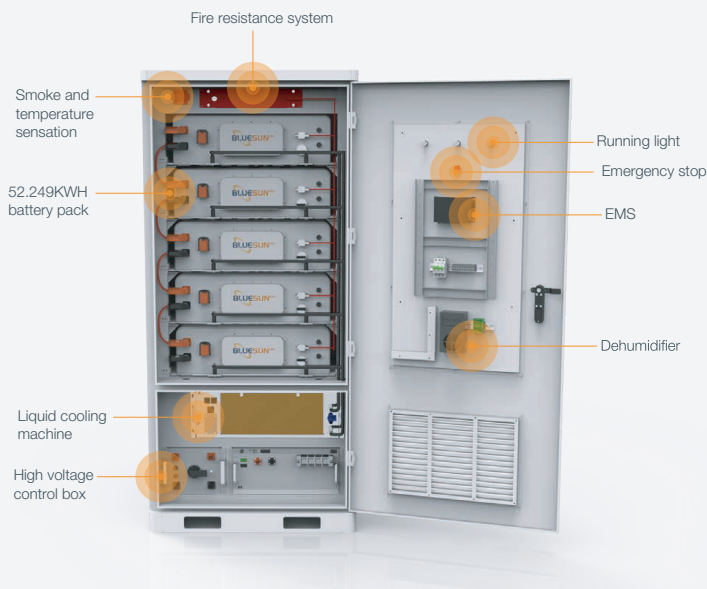
Convenience:

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.

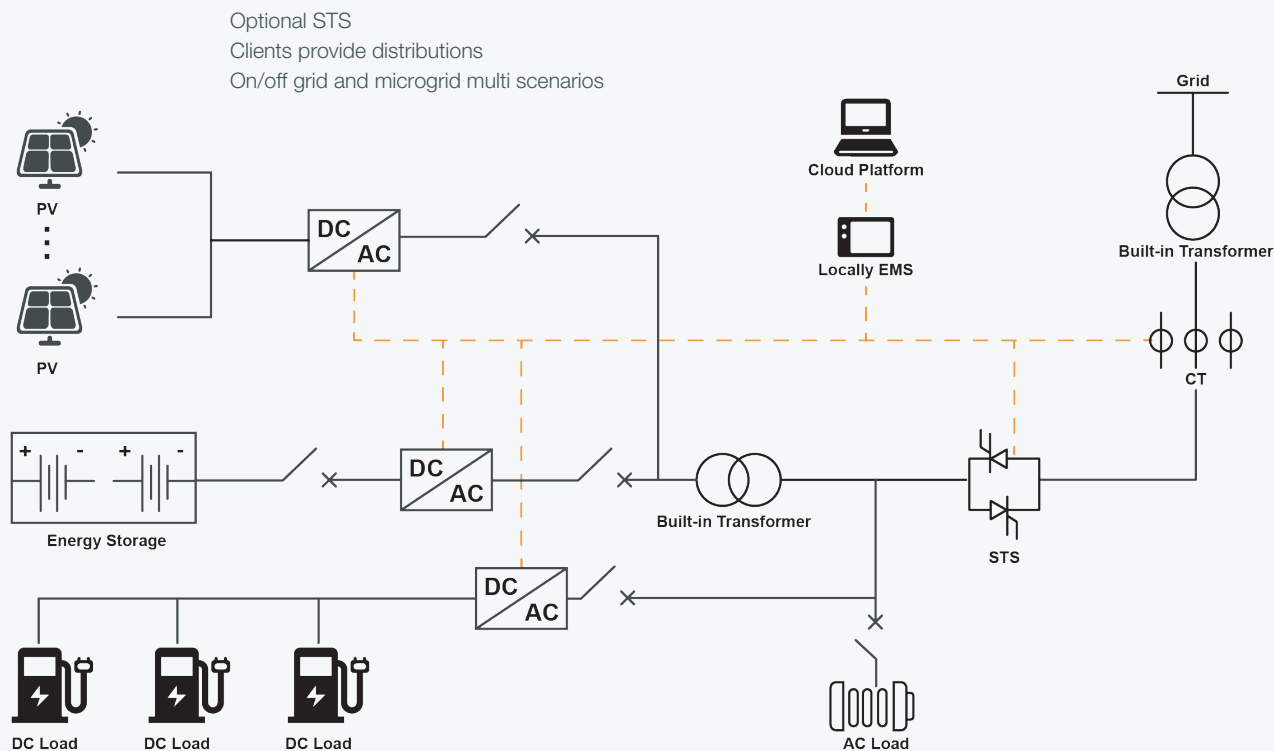
Specifications

Item	Configuration	1P260S
	Rated Energy	261KWH
	Rated Voltage	832VDC
	Voltage Range	728~910VDC
General Parameters	Operating Temperature	-30~55°C
	IP Level	IP66
	Cooling Mode	Liquid Cooling
	Communication	RS485/CAN/Ethernet
	Coolant	50% Ethylene glycol aqueous solution
Battery Side	Operating Voltage Range (V)	615~950(3W+PE)/650~950(3W+N+PE)
	Full-load Voltage Range (V)	615~950(3W+PE)/680~950(3W+N+PE)
Package	Size(mm)	1320*1005*2200 / 1410*1200*2380(Packaging size)
	Weight(KGS)	2465.5 / 2589(Gross Weight)
Standard Requirement	Cell	UN38.3/IEC/UL
	Rack	UN38.3/IEC/CE

Structure



System Diagram



Description

System consists of 5 battery modules, one control box, EMS, chiller, fire protection, etc. Battery cell is the most basic battery unit.

BMS is composed of CSC and SBMU. BMS gathers status data from cell, module and rack, and exchange information with other components.

Battery module consists of 1P 52S Battery Cell and one CSC. Control Box responses for controlling the main power line.

EMS can run different modes of the system including peak and shaving mode/ self-sing mode/UPS mode, etc.