



50kW / 105kWh 100kW / 200kWh 100kW / 215kWh

blockIQ Series

High Voltage Cabinet Energy Storage System



- Modular Power System Platform with a stable discharge platform, excellent safety performance and long cycle life.
- The BMS battery management system supports overcharge, over-discharge, over-voltage and other functional protections.
- Modular design supports expansion and maintenance.
- Equipped with ballastIQ_integrate which can remotely view and manage system parameters.
- Optional with EMS (Customized microgrid energy management system, including energy storage, photovoltaic, grid, load, generator, video monitoring, etc.).

blockIQ Series



MODULE	blockIQ 105-50	blockIQ 200-100	blockIQ 215-100
System Parameter	50kW/105kWh	100kW/200kWh	100kW/215kWh
Cooling Method	Air-Cooled		
Battery Parameters			
Rated Battery Capacity	105kWh	200kWh	215kWh
Rated System Voltage	512V	716.8V	768V
Battery Type	Lithium Iron Phosphate Battery (LFP)		
Cell Capacity	205Ah	280Ah	280Ah
Battery Series-parallel Connection Method	1P×16S×10S	1P×14S×16S	1P×15S×16S
PV Parameters			
Max. PV Input Voltage	1000V		
Max. PV Power	100kW	200kW	200kW
MPPT Quantity	2/4	4/8	4/8
MPPT Voltage Range	200-850V		
AC Parameters			
Rated AC Power	50kW	100kW	100kW
Nominal AC Current Rating	72A	144A	144A
Rated AC Voltage	400V, 3P+N+PE, 50Hz		
Total Current Harmonic Distortion (THD)	<3% (Rated Power)		
Power Factor Adjustable Range	1 Ahead ~ +1 Behind		
General Parameters			
Protection Level	IP54		
Fire Protection System	Aerosols/perfluorohexanone/heptafluoropropane		
Isolation Method	Non-isolated (Optional Transformer)		
Operating Temperature	-25~60°C (Derating Above 45°C)		
Poster Height	3000m (>3000m Derating)		
Communication Interface	RS485/CAN2.0/Ethernet/Dry contact		

Dimension (W*H*D)	1200×1000×2150mm	1850×1000×2300mm	1800×1200×2300mm
Weight (With Batteries Approx.)	1750kg	2920kg	3020kg
Certification			
Electric Safety	IEC62619/IEC62477/EN62477		
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE		
Grid-connected And Islanded	IEC62116		
Energy Efficiency And The Environment	IEC61683/IEC60068		

Typical System Topology:

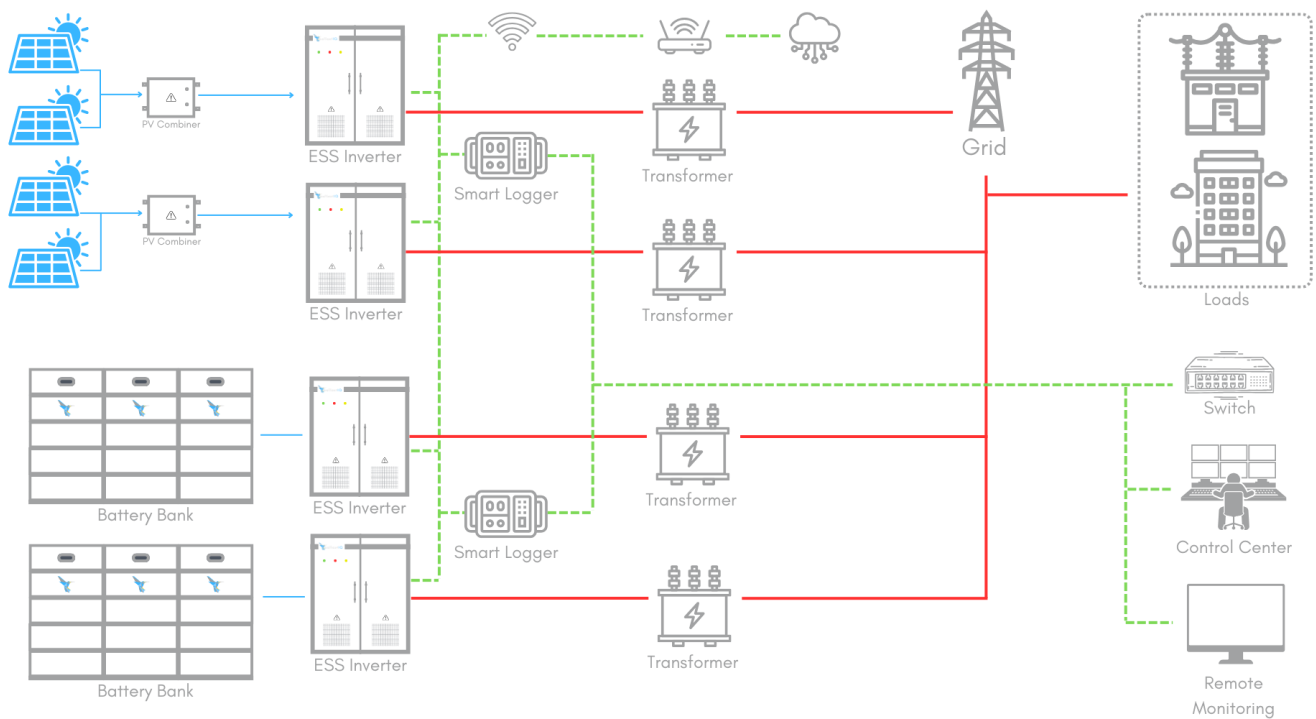
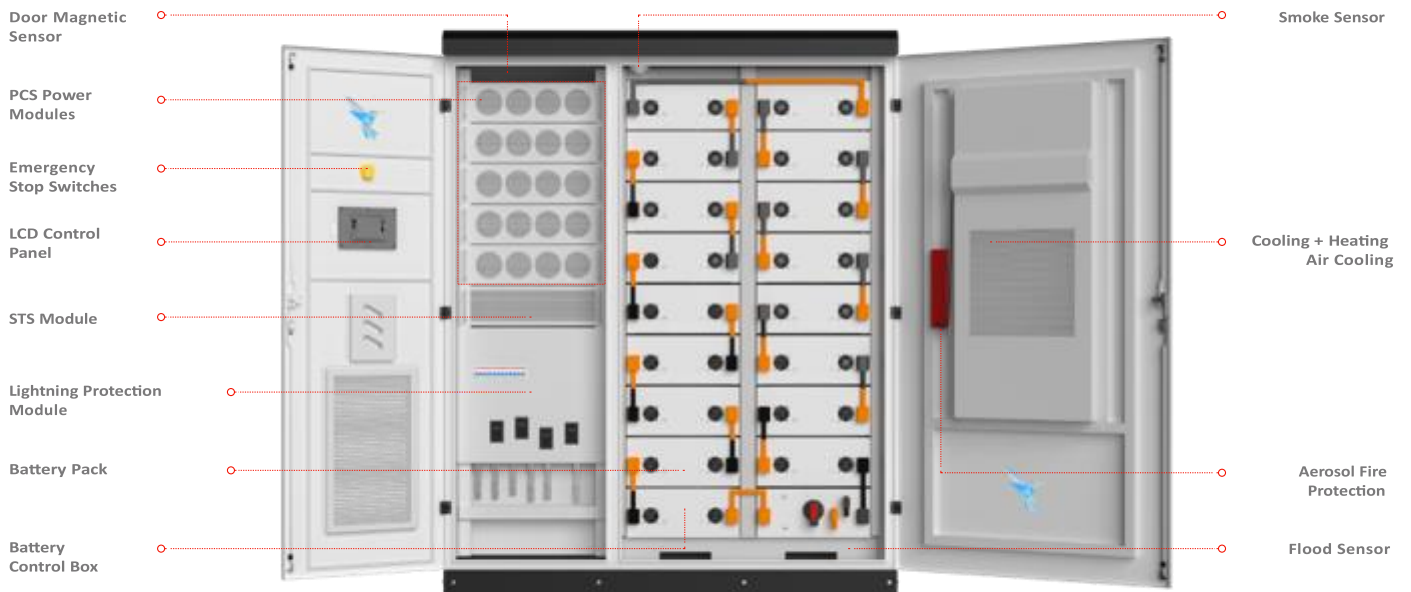


Figure 1 blockIQ Layout

System Features:



Note: Different projects are configured with different battery PACK quantities and specifications, with slightly different structures.

Note: IP54 - Can be put outside if it is under cover.