



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

# BlockArk Series

High Voltage Cabinet Energy Storage System



High Degree Of  
Integration



Flexible Parallel  
Functions



Intelligent Management  
(Religion)



Excellent Protection



Space-Saving



Multifunctional

## BlockArk Series



MODULE	BlockArk105-50	BlockArk200-100	BlockArk215-100
System Parameter	50kW/105kWh	100kW/200kWh	100kW/215kWh
Cooling Method	Air-Cooled		
<b>Battery Parameters</b>			
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
<b>PV Parameters</b>			
Max. PV Input Voltage	1000V		
Max. PV Power	100kW	200kW	200kW
MPPT Quantity	2/4	4/8	4/8
MPPT Voltage Range	200-850V		
<b>AC Parameters</b>			
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		
<b>General Parameters</b>			
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
<b>Certification</b>			
Electric Safety	IEC62619/IEC62477/EN62477		
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE		
Grid-connected And Islanded	IEC62116		
Energy Efficiency And The Environment	IEC61683/IEC60068		

# Electrical Wiring Diagrams

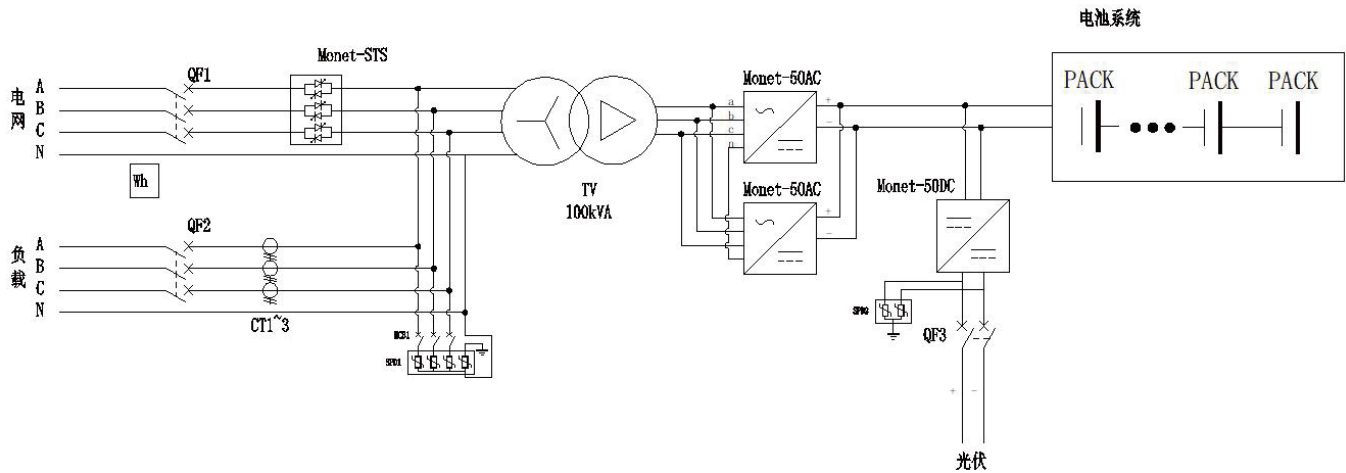
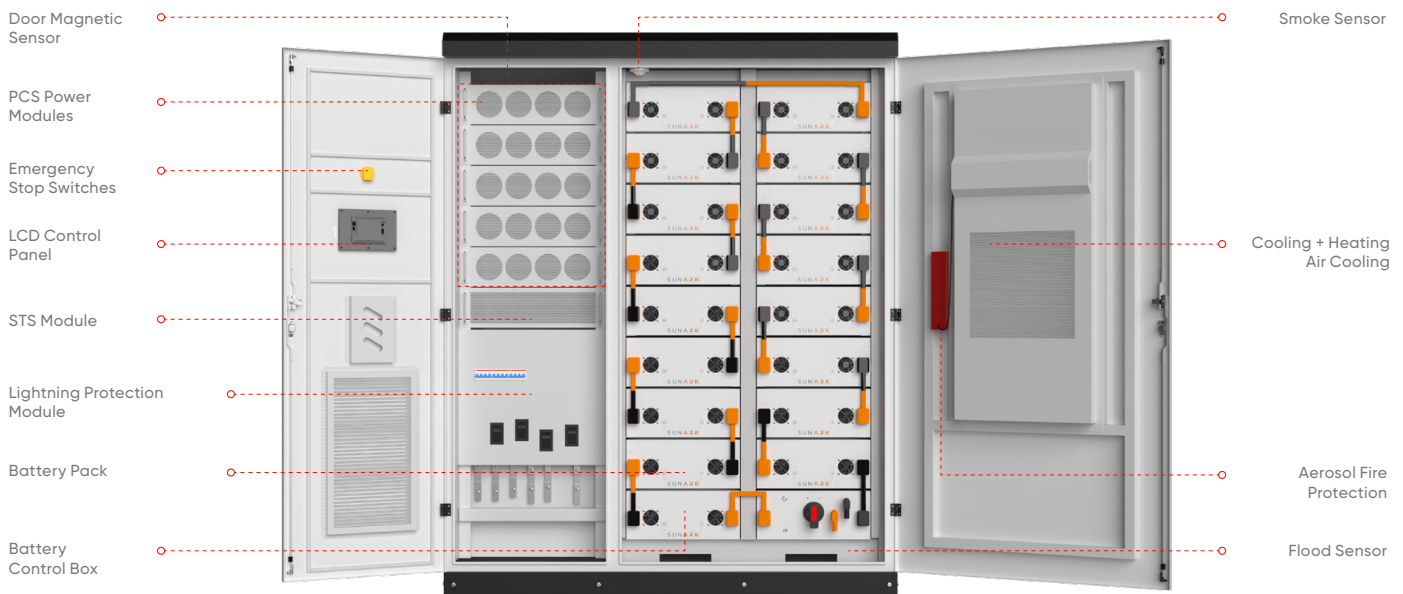


Figure 1 Electrical primary diagram

Note: Figure 1 has an off-grid, with a photovoltaic input system program, different projects with different configurations, the line slightly without isolation variable, with the same, the actual shipment of the attached map shall prevail.

# System Productization



Note: Different projects are configured with different battery PACK quantities and specifications, with slightly different structures.  
 Note: IP54 - Can be put outside provided that it is under cover.