



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

MTBK Series

High Voltage Cabinet Energy Storage System



High Degree Of
Integration



Flexible Parallel
Functions



Intelligent Management
(Religion)



Excellent Protection

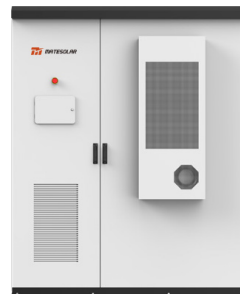
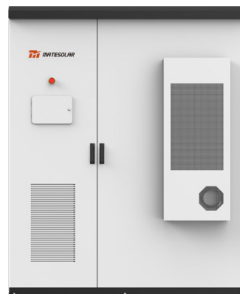
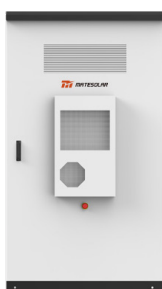


Space-Saving



Multifunctional

MTBK Series



Module	MTBK105-50		MTBK200-100		MTBK215-100	
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℃ (Derating Above 45℃)					
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					

Electrical Wiring Diagrams

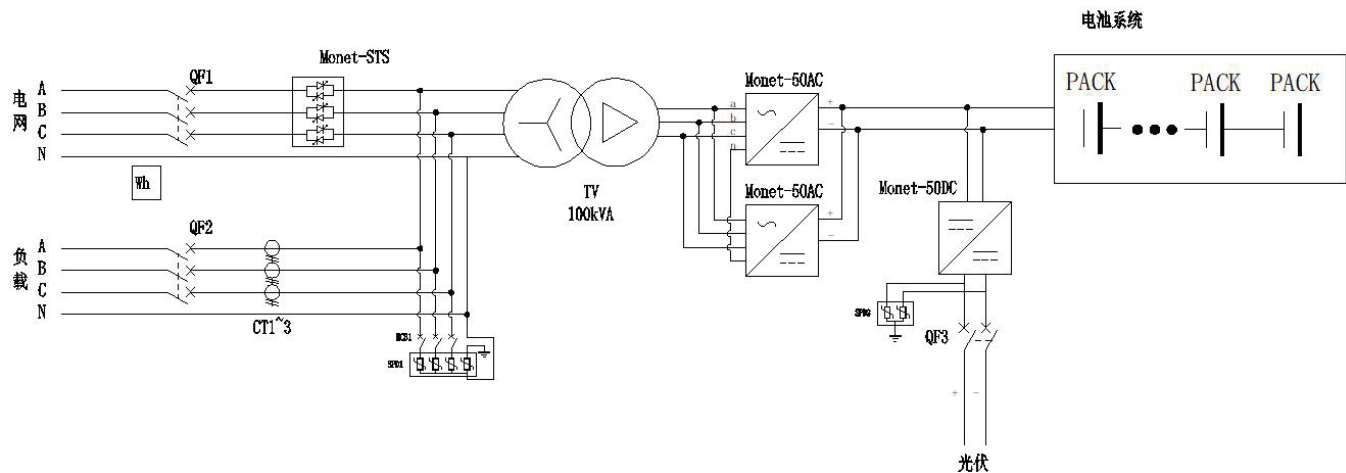
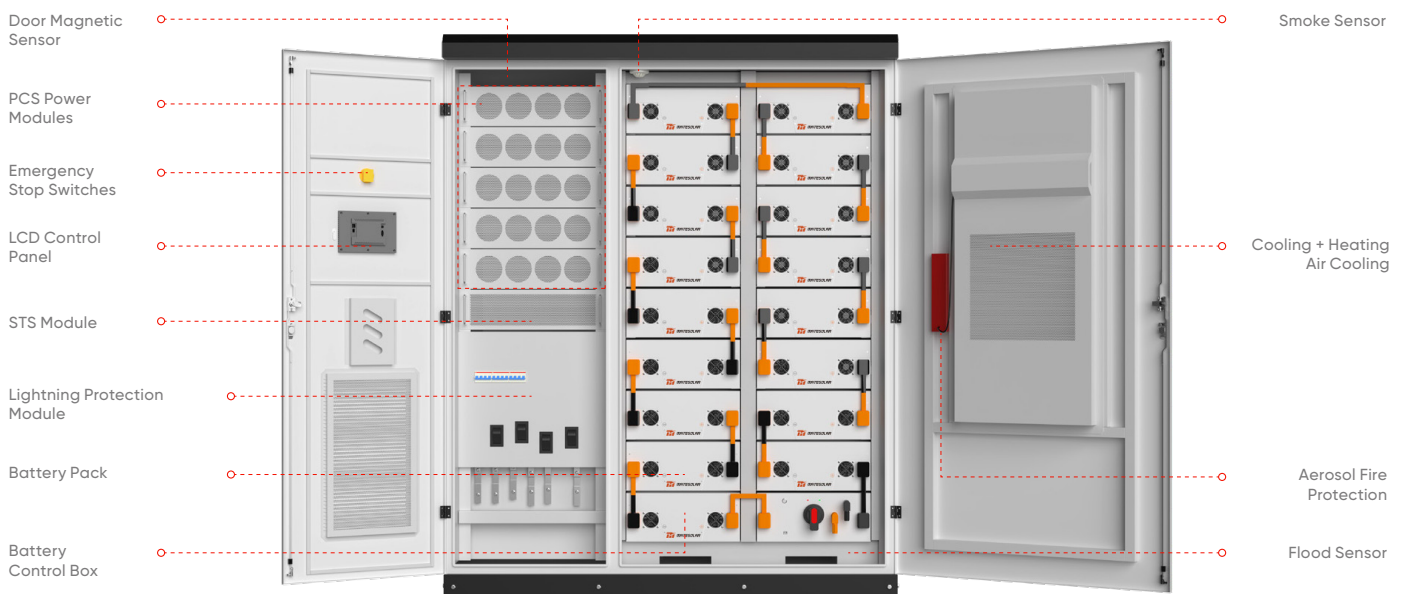


Figure 1 Electrical primary diagram

Note: Figure 1 has an on-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.