



# Air Cooling MTBK

## Outdoor Cabinet Energy Storage System



### Highly Integrated & Commercialized

Commercialized system integrating energy storage batteries, converters, EMS, power distribution, environmental control and fire protection, enabling full control of system operation and risks.



### Intelligent Energy Scheduling

Real-time load monitoring; prioritizes PV self-consumption and surplus storage, with battery discharge when PV power is insufficient.



### Outdoor Protection & Structural Optimization

IP55 protection for all outdoor weather; door-mounted embedded air conditioning saves cabinet space with better integrity and waterproof performance.



### Local Intelligent Control

Local control screen supports operation monitoring, energy strategy setting, remote equipment upgrade and other diversified functions.

## MTBK Series

Model	MTBK 100C	MTBK 125C
Sub-Model	100TS(DC100)(215kWh)	125TS(DC100)(253kWh)
<b>Battery Parameters</b>		
Battery rated capacity	215kWh	253kWh
Battery rated voltage	768V	806.4V
Battery voltage range	672V~864V	705.6V~907.2V
Series of Battery	1P*20S*12S	1P*18S*14S
Battery cell capacity	280Ah	314Ah
Max.charge/discharge current	140A	157A
Max.charging/discharging power	0.5P	
Battery type	Lithium iron phosphate battery (LFP)	
<b>Photovoltaic Parameters</b>		
Rated power	100kW	
PV open-circuit voltage	250V~652V	250V~685V
PV Max. Current	160A*2	
MPPT quantity	2	
<b>AC Parameters</b>		
Rated AC power	100kW	125kW
Rated AC current	144A	180A
Rated AC voltage	400V, 3W+N+PE	
Rated AC frequency	50/60Hz	
THDi	<3 (Rated power)	
Power Factor	-1leading to+1 lagging	
THDv	<3% (linear load)	
<b>General Parameters</b>		
Protection level	IP55	
Protection class	I	
Isolation mode	Isolation transformer	
Shutdown self-discharge	<0.1% Rated power (Without transformer)	
Display	LCD	
Relative humidity	0 ~ 95% (No condensation)	
Noise	<78dB	
Ambient temperature	-25 C to +60 C (Derating above 45 C)	
Cooling mode	Air-cooled	
Altitude	3000m (> 2000m derating)	
Communication interfac	CAN/Ethernet / 485	
Dimension (W * D * H)	1800*1200*2300mm	1800*1200*2300mm
Weight (approx.)	3260kg	3560kg