



# Liquid Cooling MTBK

## Outdoor Cabinet Energy Storage System



### High Efficiency & Economy

314Ah high-energy-density cells increase single-cabinet capacity and reduce per-kWh cost.



### High Integration

All-in-one system integrating liquid-cooled batteries, PCS, power distribution, temperature control, fire protection and monitoring communication for full system status and risk control.



### Safety & Reliability

Rigorous screening of brand-grade cells and robust integrated design; dual safety protection with IP67 Pack and IP55 cabinet.



### Intelligent Management

Supports local or cloud management, intelligent balancing and real-time warning to ensure battery consistency throughout its lifecycle.

## MTBK Series

Model	MTBK 100CL	MTBK 125CL
Sub-Model	100TS(DC100)(232kWh)	125TS(DC100)(261kWh)
<b>Battery Parameters</b>		
Battery rated capacity	232kWh	261kWh
Battery rated voltage	832V	
Battery voltage range	728V~936V	
Battery type	Lithium iron phosphate battery (LFP)	
Series of Battery	1P*52S*5S	
Battery cell capacity	280Ah	314Ah
Max.charge/discharge current	140A	157A
Max.charging/discharging power	0.5P	
<b>Photovoltaic Parameters</b>		
Rated power	100kW	
PV Voltage Range	250~708V	
PV Max. Current	160A*2	
MPPT quantity	2	
<b>AC Parameters</b>		
Rated AC power	100kW	125kW
Rated AC current	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	Liquid-cooled	
Altitude	3000m (> 2000m derating)	
Communication interfac	CAN/Ethernet / 485	
Dimension (W * D * H)	1612*1350*2300mm	1600*1350*2300mm
Weight (approx.)	3025kg	3293kg