

# Quantum Utility-Scale ESS (LFP)

(2.5MW / 5MWh)



## Model

ZT-BEES-LFP-5M



High-Voltage, High-Capacity  
Utility Configuration



Factory-Prefabricated,  
Fully Integrated Container Design



Multi-Layer Safety  
& Environmental Adaptability



Outdoor-Ready Containerized Design



Simplified Operation & Maintenance,  
Lower Lifecycle Cost

Model	ZT-BEES-LFP-5M
Rated power / energy	2.5MW / 5MWh
Battery type	LFP
Cell nominal voltage	3.2V
Cell nominal capacity	314Ah
Charge / discharge rate	0.5C
Cell nominal charge current	157A
Rated battery pack capacity	104.4992kWh
System combination method	12P416S
System rated voltage	1331.2V
System installation capacity	5MWh
Fire protection configuration	Pack-level detection + perfluorohexanone + explosion-proof ventilation + water interface
Protection level	IP54
Relative humidity	0–95%, non-condensing
Altitude	≤3000m
Operating temperature	-30°C to 55°C
Communication	Modbus / CAN2.0 / IEC61850 / IEC104
Dimensions	20ft container
Deployment concept	Factory-prefabricated, fully integrated container

All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.