

Quantum L5 (2.5MW / 5MWh)

Utility-Scale Battery Energy Storage System



Specifications

Model	ZT-BEES-LFP-5M
DC Rated Voltage	1331.2 V
DC Max. Voltage	1497.6 V
Nominal Energy Capacity	5.015 MWh
Charge & Discharge Rate	0.5C
Rated Power	2.507 MW
Container Configuration (W × H × D)	6058 × 2896 × 2438 mm
Container Weight	approx. 44 t
Operation Temperature Range	-30°C ~ +55°C
Storage Temperature Range	-30°C ~ +60°C
Relative Humidity	0% ~ 95% (non-condensing)
Max. Operating Altitude	≤2000 m
Cooling Method	Liquid Cooling
Auxiliary Power Supply	400V ±10%, 50Hz, 45 kW
Fire Suppression System	Pack-level detection + perfluorohexanone + explosion-proof ventilation + water interface + combustible gas detection
Communication	IEC61850 / Modbus / CAN2.0 / IEC104
Protection Degree	IP55
Anti-corrosion Degree	C5-M
Standards	IEC 60529 (IP), IEC 62619, IEC 63056, IEC 62477, IEC 61000, IEC 62933, UN 38.3, NFPA 69, UL 9540A (pack and cluster level)