



EQTCO5015P2507LC

5MWh

BESS Container



High Security

- UL9540A thermal forced spread test evaluation results are excellent, combustible gas monitoring, pressure relief and explosion protection
- “3 level” fire prevention and control measures: Cell level temp. monitoring, Immersion based thermal runaway suppression, Active ventilation and pressure relief system
- Dry wet separation through an intergrated die-cast structure of the liquid cooling and pipeline
- FK 5-1-12 Automatic dry agent fire extinguishing system



Long life and durability

- Thermal management design with centralized cooling, multistage shunt, parallel flow channel, throttling control. The temperature difference between cells in the module is $\Delta 2^{\circ}\text{C}$, and $\Delta 3^{\circ}\text{C}$ for container level
- 12000+ super long cell cycle life, service life of 20 years
- Reliable and durable with the protection grade of the enclosure at IP55



Solid and reliable

- Adaptive design, module structure retention and internal force release optimization in the whole life cycle
- User-centric interface and robust data analysis capabilities, BMS real-time detection to ensure safe operation
- 20ft standard container with high volumetric energy density
- Tested for high temperature durability at 45°C



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Item	Specification	Remark
Product model	EQTCO5015P2507LC	
Configuration	416s12p	
Rated energy	5015kWh	100%DOD, 25°C, 0.5P
Rated voltage	1331.2V	
Operating voltage range	1040V~1497.6V	
Dimension	6058mm × 2438mm × 2896mm	L ×W ×H , 20HQ
Mass	~43t	
Rated charge power	0.5P (2507kW)	@25° C
Rated discharge power short	0.5P (2507kW)	@25° C
Altitude	≤3000m	
Humidity	0~95% (Non-condensing)	
Fire protection	FK-5-1-12, water sprinkler system	
Ambient temp.	-30-45°C	
IP level of enclosure	Bat. Room IP55 Electric room IP55	
Corrosion resistance	C4/C5	
Efficiency	≥93%@0.5P	
Insulation standard	≥1000Ω/V	Test voltage 2500VDC
Overtoltage protection	4500VDC, leakage current ≤5mA, no breakdown or flashover	
Cooling type	Liquid cooling / heating	
Cooling power	60kW cooling capacity	
EMS	Integrated	
Communication interface	Ethernet, LTE, WiFi	
Communication protocol	CAN, RS485, TCP/IP	
	UL1973, IEC62619, UN38.3, UL9540A, UL9540	For cell
Executive standard	IEC62477-1, IEC62619, IEC63056, IEC60730-1, UL9540A, UL9540, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, UN3536, UN3480	For system