

LT215KWH/100KW

Lingtech 215KWH/100KW liquid cooling system



Safe and Reliable

- Smart liquid cooling system for efficient heat dissipation
- IP54 and C3 anti-corrosion design
- Three levels fire suppression mechanism



Intelligent and Easy to Use

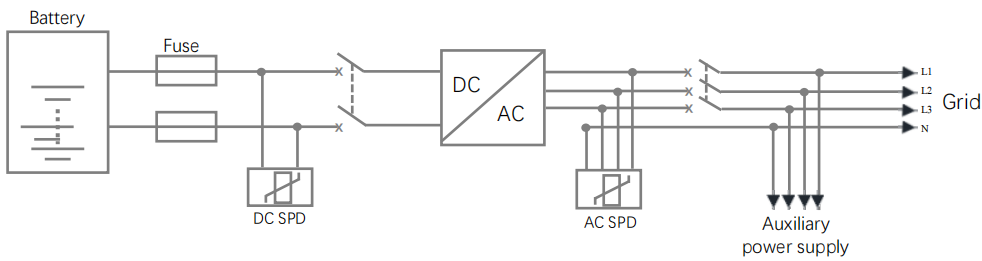
- Battery capacity and discharge time prediction
- Cloud O&M, fast fault analysis and handling
- AI algorithm to achieve early fault cell warning



Efficient and FLEXible

- Integrated design, plug and play
- Support isolated grid operation
- Millisecond dynamic response

Electrical Diagram



Specification parameter

Model	LT 215KWH 100KW
DC Side	
Cell type	LFP/280Ah
Battery capacity (BOL)	215kWh
Rated voltage	768V
Battery voltage range	648V~ 864V
Rated/Max. current	140A / 170A
System configuration	240S1P×1
AC Side	
Rated charge/discharge power	100kW
Rated voltage	400V
Voltage range	360V~440V
Rated current	155A
Rated frequency	50/60Hz
AC connection	3L+N+PE
System Parameter	
Dimension (W×H×D)	1100×2519×1500(mm)
Weight	≈ 2500kg
Cycle performance	≥10000 cycles; @25±2°C,0.5P,SOH≥80%
System efficiency	≥89% (Including subsidiary Power Consumption)
Fire suppression system	NOVEC 1230 (Support PACK level)+flammable gas detection + exhaust + Water Sprinkler System
Cooling concept	Liquid cooling
Operating ambient temperature range	-20~55°C
Max. Working altitude	2,000m (When the altitude is between 2000-4000m, the output of the system will be de-rated.)
Relative humidity	RH ≤95%(No condensation)
IP rating	IP54
Communication protocols	Modbus、IEC60870-5-104、4G (MQTT)
Remote monitoring	Cloud EMS, mobile APP
Anti-corrosion Grade	C3
Compliance	UN38.3、IEC62619、CE
Application scenarios	Industrial and commercial energy storage ,microgrid , emergency power backup