

# 1.67MWh-200KW



## Lingtech Liquid Cooled Energy Storage System



### OPTIMAL COST

- Intelligent Lingtech liquid-cooled temperature control system to optimize the auxiliary power consumption
- Pre-assembled, no battery module handling on site, transportation of complete system



### EFFICIENT AND FLEXIBLE

- High-efficiency heat dissipation, increase battery life and system discharge capacity
- Front single-door-open design, supporting back to back layout drawing
- Function test in factory, limited on-site work, accelerate commissioning process



### SAFETY AND RELIABLE

- Electrical safety management, overcurrent fast breaking and arc extinguishing protection
- The electrical cabinet and battery cabinet are separated to prevent thermal runaway



### CONVENIENT O&M

- One-click system upgrade
- Automatic coolant refilling design
- Online intelligent monitoring  
Remote maintenance

| Technical Data                                  | LT 1.5MWh-200KW                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DC side                                         |                                                                                                                                                                                                                                                                                                       |
| Cell type                                       | LFP<br>3.2 V / 314 Ah C-rate:0.5C                                                                                                                                                                                                                                                                     |
| Battery configuration                           | 416S *4P                                                                                                                                                                                                                                                                                              |
| Nominal capacity                                | 1671kWh (1.67MWh)                                                                                                                                                                                                                                                                                     |
| Nominal voltage range                           | 1123.2 V - 1497.6 V                                                                                                                                                                                                                                                                                   |
| AC side                                         |                                                                                                                                                                                                                                                                                                       |
| Nominal AC power                                | 200KW                                                                                                                                                                                                                                                                                                 |
| AC current distortion rate                      | < 3 % ( Nominal Power )                                                                                                                                                                                                                                                                               |
| DC component                                    | < 0.5 %                                                                                                                                                                                                                                                                                               |
| Nominal AC voltage                              | 400V-690 V                                                                                                                                                                                                                                                                                            |
| AC voltage range                                | 621 V - 759 V                                                                                                                                                                                                                                                                                         |
| Termination (LV)                                | 3 Phase                                                                                                                                                                                                                                                                                               |
| Power factor                                    | > 0.99 ( Nominal Power )                                                                                                                                                                                                                                                                              |
| Adjustable range of reactive power              | - 100 % - 100 %                                                                                                                                                                                                                                                                                       |
| Nominal frequency                               | 50 /60Hz                                                                                                                                                                                                                                                                                              |
| Isolation method                                | Transformerless                                                                                                                                                                                                                                                                                       |
| System parameter                                |                                                                                                                                                                                                                                                                                                       |
| Dimension ( W * H * D )                         | 6058 mm * 2896 mm * 2438 mm                                                                                                                                                                                                                                                                           |
| Weight                                          | 15000 kg for 1.67MWh                                                                                                                                                                                                                                                                                  |
| Degree of protection                            | IP55                                                                                                                                                                                                                                                                                                  |
| Anti-corrosion Degree                           | C3                                                                                                                                                                                                                                                                                                    |
| Operation Ambient Temperature Range             | - 30 °C - 50 °C ( > 45 °C Derating )                                                                                                                                                                                                                                                                  |
| Operation humidity range                        | 0 % - 100 % ( Non-condensing )                                                                                                                                                                                                                                                                        |
| Maximum Operation Altitude                      | 4000 m                                                                                                                                                                                                                                                                                                |
| Temperature Control Method                      | Intelligent Liquid Cooling                                                                                                                                                                                                                                                                            |
| Fire suppression system                         | FACP, FK5112, Flammable gas detector, Smoke detector, Heat detector, Sounder beacon, Alarm bell, Warning sign, Extinguishant abort button, Ventilation system, Pressure relief port, Manual automatic switching and emergency starting device(Default)<br>Sprinkler, Vent panel, Aerosol ( Optional ) |
| Communication                                   | Ethernet/Modbus TCP,IEC104                                                                                                                                                                                                                                                                            |
| IEC61000, IEC62619, IEC62933,UN38.3,CE,IEC62477 |                                                                                                                                                                                                                                                                                                       |