# 10MWh-5MW (AC+DC)

## grid forming BESS

Lingtech Liquid Cooled Integrated 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

### 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

### 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

### CONVENIENT O&M

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

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| Technical Data | LT 10MWh-5MW **grid forming** |
|---|---|
| DC side | |
| Cell type | LFP<br>3.2 V / 314 Ah C-rate:0.5C |
| Battery configuration | 416S * 24P |
| Nominal capacity | 10031.76kWh |
| Nominal voltage range | 1123.2 V - 1497.6 V |
| AC side | |
| Nominal AC power | 5MW |
| 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 | Transformer (optional) |
| System parameter | |
| Dimension ( W * H * D ) | 6058 mm * 2896 mm * 2438 mm |
| Weight | 42000 kg*2+13000kg (PCS) |
| Degree of protection | IP55 |
| Anti-corrosion Degree | C3 |
| Operation Ambient Temperature Range | - 30 ℃ - 50 ℃ ( > 45 ℃ 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 | |

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