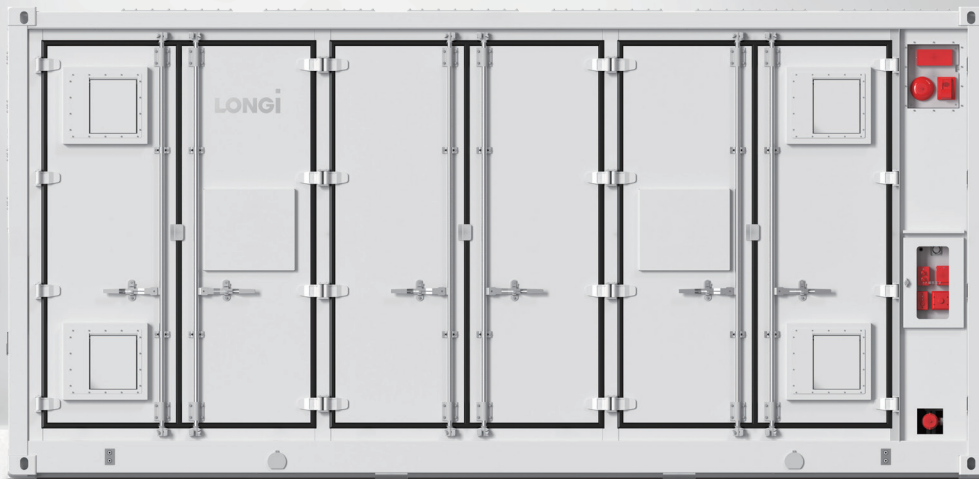




| Utility-Scale Liquid Cooling ESS |

# LONGiBank 1.0



## PROPRIETARY PATENT ICCS

- Safety valve status monitoring system
- Voltage sampling accuracy of  $\pm 3\text{mV}$
- Thermal runaway identification within 3–60s
- Valve opening pre-alarm within 3–5minutes
- Prediction range of 3–6months



## SAFE AND RELIABLE

- Advanced thermal management maintains battery temperature stability within  $\pm 3^{\circ}\text{C}$  ( $37.4^{\circ}\text{F}$ ), minimizing capacity degradation
- Fire detection and suppression system enables early warning and precise fire control



## WIDE TEMPERATURE RANGE

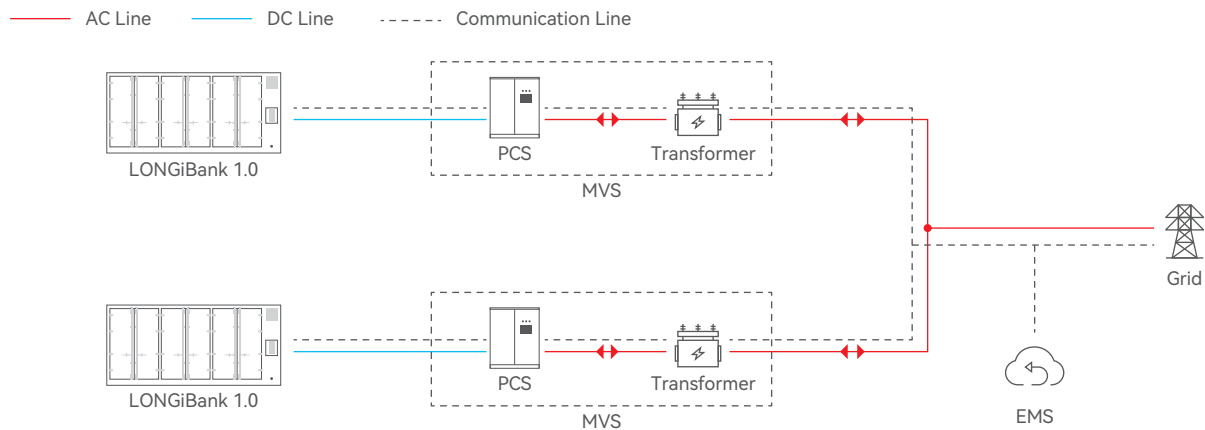
- Reliable operation across a wide ambient temperature range



## SPACE-SAVING DESIGN

- Supports flexible parallel and series connection to maximize space utilization and lower overall project costs
- Integrated, modular Design

## SYSTEM DIAGRAM



## PRODUCT SPECIFICATIONS

### Technical Data

#### DC Side

|                               |                   |
|-------------------------------|-------------------|
| Cell type                     | LFP               |
| System battery configuration  | 416S12P           |
| Rated energy                  | 5015.96 kWh       |
| Nominal voltage               | 1331.2 V          |
| Operating voltage range       | 1164.8 ~ 1500.0 V |
| Nominal charge/discharge rate | ≤ 0.5P            |

#### General Data

|                             |                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (W×D×H )         | 6058 mm × 2438 mm × 2896 mm                                                                                                                                                 |
| Weight                      | ≤ 41.5 t                                                                                                                                                                    |
| Degree of protection        | IP55 / Type 3R                                                                                                                                                              |
| Anti-corrosion degree       | C4 / C5 (optional)                                                                                                                                                          |
| Operation humidity range    | 0% ~ 100% RH                                                                                                                                                                |
| Operation temperature range | -30 ~ 60°C                                                                                                                                                                  |
| Max. operating altitude     | 4000 m                                                                                                                                                                      |
| Temperature control method  | Liquid cooling                                                                                                                                                              |
| Noise                       | ≤ 75 dB(A)                                                                                                                                                                  |
| Fire supression system      | Smoke and heat detectors, FACP, Sprinkler, Fire alarm system, Flammable gas detector, Ventilation system, Aerosol fire-extinguishing system, Explosion vent panel(optional) |
| Communication interface     | Ethernet, RS485, CAN                                                                                                                                                        |
| Communication protocol      | ModbusTCP/RTU, IEC 104, IEC 61850                                                                                                                                           |

#### Standard Compliance

|          |                                                                                                              |
|----------|--------------------------------------------------------------------------------------------------------------|
| Standard | IEC 61000, IEC 62619, IEC 62933, IEC 63056, IEC 62477, IEC 62443, UL9540A, NFPA68/69, UN 38.3, UN 3536, etc. |
|----------|--------------------------------------------------------------------------------------------------------------|