

# UTILITY-SCALE ESS SOLUTION

WS-L5000-BC-2

## WS-L5000-BC-2 | The Low LCOS Multi-intelligent Energy Storage Solution



### Economical and efficient

- 20-foot container 5016kWh
- Maximum efficiency 94.5%
- Shoulder-to-shoulder/back-to-back installation
- Maximum support for 10-year warranty



### Flexible and convenient

- Liquid cooling circuit equipped with bidirectional shut-off valve
- Equipped with waste liquid collection device
- Single/dual circuit output, 2/4h application



### Smart Cloud Management

- AI-Powered Load Optimization
- 24/7 Remote Monitoring & O&M
- Real-Time Battery Health & Safety Alerts
- Cloud-Connected Ecosystem



### Ultimate Safety

- 2+3 Level Fire Protection System
- 3+2+1 Level Electrical Safety Protection

# Liquid-Cooled ESS

## Model

WS-L5000-BC-2

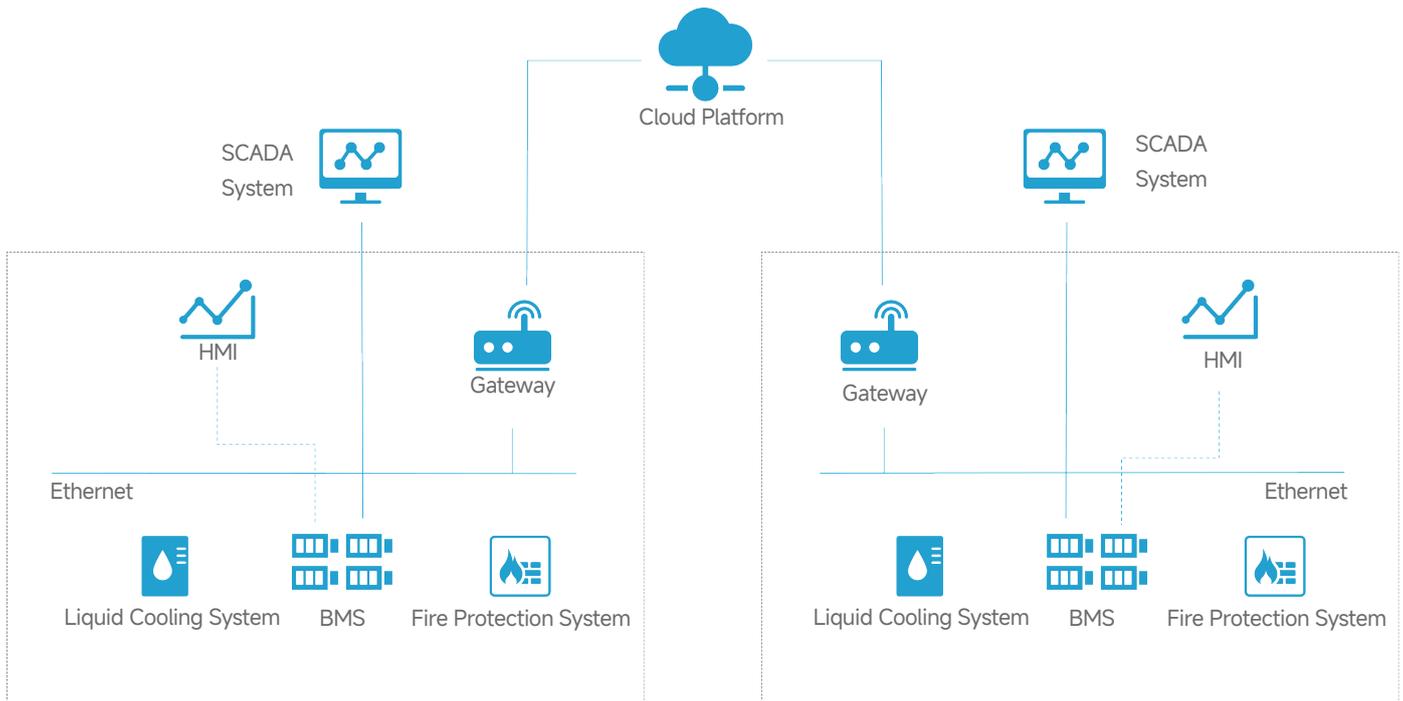
### Battery Data

|                           |                            |
|---------------------------|----------------------------|
| Battery Type              | LiFePO4                    |
| Nominal Capacity ( Cell ) | 314Ah                      |
| PACK Configuration        | 1P104S                     |
| RACK Configuration        | 4*1P104S                   |
| System Configuration      | 2*6P416S (12P416S)         |
| Nominal Voltage           | 1331.2Vdc (1144-1497.6Vdc) |
| Nominal Energy            | 5016kWh (12× 418kWh)       |
| Nominal Current           | 2*939A                     |
| Charge/Discharge Rate     | 0.5P                       |
| DC efficiency             | ≥94.5%                     |

### System Data

|                          |  |
|--------------------------|--|
| Operating Temperature    | -30°C ~ +55°C (>45°C derating)   |
| Storage Temperature      | -30°C ~ +60°C  |
| Humidity                 | 0 ~ 95%RH  |
| Type of cooling BAT      | Liquid cooling   |
| Fire Suppression         | Aerosol、Water  |
| Ingress Protection       | IP55   |
| Anticorrosion grade      | C4/C5  |
| Altitude                 | ≤3000m   |
| Weight                   | ≤42T   |
| Dimensions ( W × D × H ) | 6058*2438*2896mm   |
| Communication            | Ethernet/CAN   |
| Standard compliance      | IEC62619,IEC62477,IEC62933,IEC63056,IEC61000,UN38.3,UN3536,NFPA855,UL9540A |

## Architecture Diagram





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