

# HNESS 5000-20H

## UTILITY STORAGE SYSTEM

### Compartment:

BMS, Battery, Liquid Temperature Control, Fire Protection System



### Optimal Safety and Reliability

- Full life-cycle cell state monitoring + cell-level thermal isolation with sequential melting fuses.
- Coordinated protection with proactive cell health monitoring + three-level fire protection.



### High Energy Density

- Modular design for a rational layout and easy maintenance.
- 20-foot standard container, high energy density, convenient for loading, unloading, transportation, and installation.



### Superior Efficient and Versatility

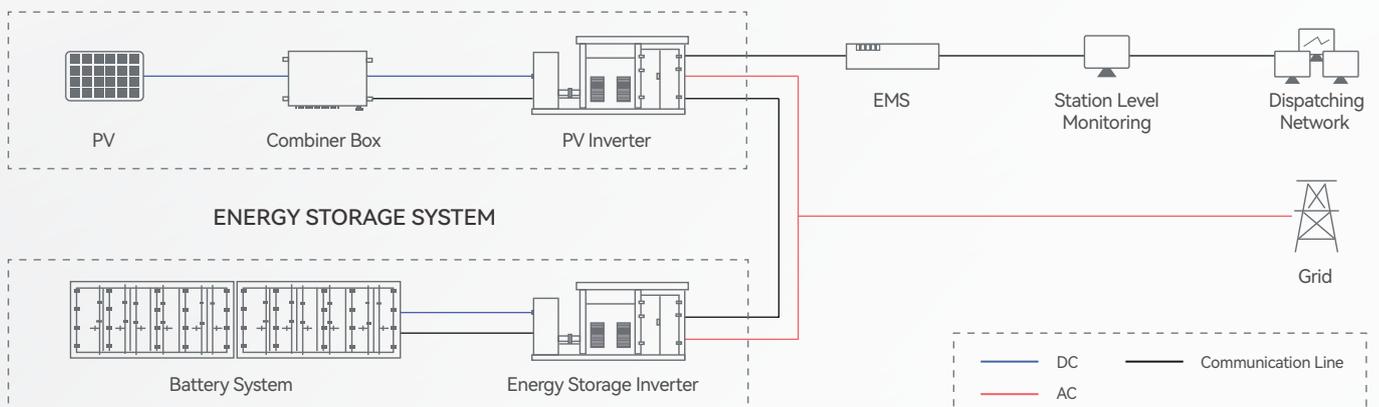
- Intelligent liquid-cooled temperature control for long system life, with low auxiliary power consumption.
- Stackable design, adaptable to various types of PCS.



### Intelligent O&M

- All-in-one integration.
- Extremely low-frequency fluid injection.
- User-friendly cloud monitoring for easy operation.

## TOPOLOGY STRUCTURE



## TECHNICAL PARAMETER

| Product Model             | HNESS 3420-20H  | HNESS 5000-20H        |
|---------------------------|---|-----------------------|
| <b>Specification</b>      |   |                       |
| Cell Capacity             | LFP 300Ah   | LFP 314Ah             |
| Rated Capacity            | 3421.4kWh   | 5015.96kWh            |
| Rated Voltage             | 1267V   | 1331.2V               |
| Recommend Voltage Range   | 1108.8V - 1425.6V   | 1164.8V - 1500.0V     |
| Max.charge/discharge Rate | 0.5P@25°C   | 0.5P@25°C             |
| Power                     | 1710.7kW  | 2507.98kW             |
| <b>Environment</b>        |   |                       |
| Working Temperature Range | -30°C ~ 45°C  | -20°C ~ 55°C          |
| Working Humidity Range    | 0% - 95%, RH  | 0% - 95%, RH          |
| Ingress Protection        | IP54  | IP54                  |
| Cooling                   | Liquid  | Liquid                |
| Fire Control System       | Heptafluoropropane / Perfluorohexanone                      | Aerosol + Water Spray |
| Altitude                  | <3000m  | ≤2000m                |
| Cycle Times               | ≥8000@25°C  | ≥8000@25°C            |
| <b>Standards</b>          |   |                       |
| Safety                    | IEC62619, IEC62477, IEC61000, IEC60730, IEC62933, GB/T36276 |                       |
| Transport                 | UN38.3  |                       |
| Communication             | CAN, RS485, Ethernet  | CAN, RS485, Ethernet  |
| <b>Structure</b>          |   |                       |
| Size (W*D*H)              | 6058*2438*2896mm  | 6058*2438*2896mm      |
| Weight                    | ~37t  | ~43t                  |

## WARRANTY

**5 YEARS**

**≥8000 CYCLES**