

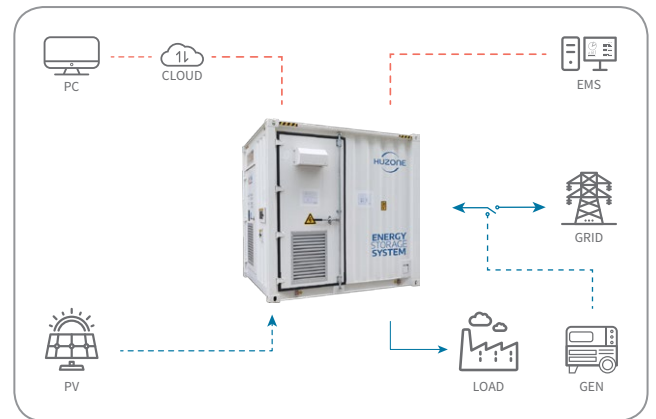


HCS-10/20/40

# Containerized Energy Storage System

10ft / 20ft / 40ft • 280Ah

- ✓ Integrated and standardized BESS container; easy to transport, install and maintain
- ✓ Modular design, supports system expansion
- ✓ Customizable in specifications according to customer requirements
- ✓ Top brand LFP cells with good lifespan over 10 years
- ✓ Comprehensive real-time monitoring and energy optimization management, fully guarantee the safety of the battery system
- ✓ Multiple working modes for different applications
- ✓ Intelligent temperature control, automatic balance management, effectively improve battery efficiency and life
- ✓ Unattended, convenient EMS access, online real-time system monitoring
- ✓ Supports diesel generator access, switching between on-grid and off-grid (optional)
- ✓ Three-phase 100% unbalanced load, strong load adaptability (optional)



Microgrid



PV power station



Wind power station



Industrial and commercial



Grid side



Hybrid charging

Technical Data HCS-10-215 (10ft) HCS-10-430 (10ft) HCS-20-1000 (20ft)

**Battery (Built-in)**

|                          |  |            |               |
|--------------------------|--|------------|---------------|
| Battery Type             | LFP / LiFePO4 (Lithium Iron Phosphate) |            |               |
| Battery Cell             | 3.2V / 280Ah                           |            |               |
| Battery Cell Combination | 1P240S                                 | (1P240S)x2 | (1P224S)x5    |
| Nominal Capacity         | 215 kWh                                | 430 kWh    | 1000 kWh      |
| Nominal Voltage          | 768 V                                  |            | 716.8 V       |
| Voltage Range            | 672~876 V                              |            | 627.2~806.4 V |
| Charge/Discharge Rate    | ≤0.5C                                  |            |               |

**AC Output**

|                              |          |         |
|------------------------------|----------|---------|
| Rated Charge/Discharge Power | 100 kVA  | 500 kVA |
| Maximum Output Current       | 159 A    | 759 A   |
| Rated Output Voltage         | 400 V    | 380 V   |
| Rated Output Frequency       | 50/60 Hz | 50 Hz   |

**General Data**

|                           |                           |  |
|---------------------------|---------------------------|--|
| Ingress Protection Rating | IP54                      |  |
| Communication             | CAN, RS485                | CAN, RS485, Ethernet   |
| Communication Protocol    | Modbus, IEC104            | Modbus TCP, Modbus RTU, CAN2.0   |
| Temperature Range         | -25~50°C                  |  |
| PCS Cooling Method        | Smart Fan Cooling         |  |
| Battery Cooling Method    | Liquid Cooling            | Smart Air Cooling  |
| Fire Fighting System      | 1230 Fire Fighting System | Aerosol, Combustible Gas Detection + Exhaust, Water Fire Protection (Optional) |
| Relative Humidity         | 0~95%, Non-condensing     |  |
| Altitude                  | ≤2000 m                   |  |
| Weight                    | 6500 kg                   | 8500 kg  |
| Dimensions (WxDxH)        | 2991x2438x2896 mm         |  |
|                           |                           | 6058x2591x2438 mm  |

Technical Data HCS-40-3440 (40ft) HCS-40-5017 (40ft)

**Battery (Built-in)**

|                          |  |             |
|--------------------------|--|-------------|
| Battery Type             | LFP / LiFePO4 (Lithium Iron Phosphate) |             |
| Battery Cell             | 3.2V / 280Ah                           |             |
| Battery Cell Combination | 9P416S                                 | 14P400S     |
| Nominal Capacity         | 3440 kWh                               | 5017 kWh    |
| Rated Voltage            | 1228.8 V                               | 1280 V      |
| Voltage Range            | 960~1401.6 V                           | 1000~1460 V |
| Charge/Discharge Rate    | ≤0.5C                                  |             |
| Maximum Discharge Depth  | 90% DOD                                |             |

**General Data**

|                             |   |                    |
|-----------------------------|---|--------------------|
| Ingress Protection Rating   | IP54  |                    |
| Communication               | CAN 2.0, RS485, Ethernet                                |                    |
| Communication Protocol      | CAN, Modbus   |                    |
| Temperature Range           | -20~55°C  |                    |
| Battery Temperature Control | Industrial-grade Temperature Controlled Air Conditioner |                    |
| PCS Cooling Method          | Smart Fan Cooling                                       |                    |
| Fire Fighting System        | Heptafluoropropane + Water Fire Extinguishing System    |                    |
| Relative Humidity           | 5~95%   |                    |
| Altitude                    | ≤2000 m   |                    |
| Weight                      | 35000 kg  | 45000 kg           |
| Dimensions (WxDxH)          | 9900x2438x2896 mm                                       | 13716x2438x2896 mm |