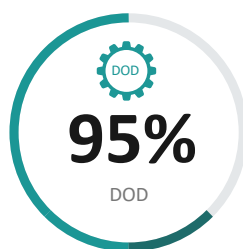
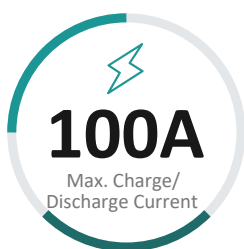




## HVES C&I Series

SMART ENERGY  
SUSTAINABLE SOLUTIONS „

9.4 kWh High Voltage Battery



- Best Blade LFP battery and CTP technology
- Optimized compact modular design enables higher flexibility in installation and operation
- Touchable display for a better human-computer interaction experience

- Aerosol fire-protection system for the best safety
- Equipped with explosion-proof valves to improve system safety and extend battery life
- Easier set up and operation

- 100A rapid charge and discharge ability
- Higher DOD (95%) for more usable energy
- Advanced smart BMS and EMS

- 24/7 real-time monitoring & remote diagnosis or upgrade
- Service for predicting and solving problems online faster and in time
- Remote Energy Management

# HVES C&I Series

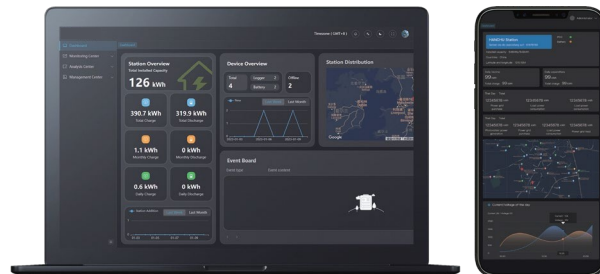
| Model                            | CESS-HV-9.4K                                                                      |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cell Type                        | Blade LFP                                                                         |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Module Energy                    | 9.4kWh                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Module Weight                    | 72Kg                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Number of Modules                | 3                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                   | 7                                                                                   | 8                                                                                   |
| System Structure                 |  |  |  |  |  |  |
| Nominal Energy (kWh)             | 28.2                                                                              | 37.6                                                                              | 47.0                                                                              | 56.4                                                                                | 65.8                                                                                | 75.2                                                                                |
| Nominal Voltage (V)              | 153.6                                                                             | 204.8                                                                             | 256.0                                                                             | 307.2                                                                               | 358.4                                                                               | 409.6                                                                               |
| Operating Voltage Range (V)      | 144-172.8                                                                         | 192-230.4                                                                         | 240-288                                                                           | 288-345.6                                                                           | 336-403.2                                                                           | 384-460.8                                                                           |
| Dimension(W*D*H) (mm)            | 780*432*720                                                                       | 780*432*880                                                                       | 780*432*1040                                                                      | 780*432*1200                                                                        | 780*432*1360                                                                        | 780*432*1520                                                                        |
| Weight (Kg)                      | 239.80                                                                            | 311.80                                                                            | 383.80                                                                            | 455.80                                                                              | 527.80                                                                              | 599.80                                                                              |
| Charging Temperature             | From 0 to 50°C                                                                    |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Discharging Temperature          | From -10 to 60°C                                                                  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Depth of Discharge               | 95% DOD                                                                           |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Nominal Charge/Discharge Current | 100A                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Max. Charge/Discharge Current    | 100A                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Cycle Life                       | >6000, 25 °C                                                                      |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Ingress Protection Degree        | IP65                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Cooling Type                     | Natural convection                                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Humidity                         | 5%~95%                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Altitude                         | <2000                                                                             |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Warranty                         | 10 years                                                                          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Communication                    | CAN/RS485/WIFI/Bluetooth                                                          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Battery Safety                   | IEC 62619/IEC 62477/CE-RED/CE-EMC                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Transportation Certification     | UN38.3                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |

•Maximum support for 12 units in series.

## IoT Technology Smart Systematic EMS Based on AI

An all-round platform to power your life

- ✓ Smart control to optimize your energy allocation provide 24/7 automatic monitoring
- ✓ Thoughtful cloud service for preserving batteries providing remote diagnostics or upgrades
- ✓ Intelligent technology extends battery life anticipates and resolves potential problems



# HVES C&I Series

| Model                            | CESS-HV-9.4K                                                                      |                                                                                   |                                                                                     |                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cell Type                        | Blade LFP                                                                         |                                                                                   |                                                                                     |                                                                                     |
| Module Energy                    | 9.4kWh                                                                            |                                                                                   |                                                                                     |                                                                                     |
| Module Weight                    | 72Kg                                                                              |                                                                                   |                                                                                     |                                                                                     |
| Number of Modules                | 9                                                                                 | 10                                                                                | 11                                                                                  | 12                                                                                  |
| System Structure                 |  |  |  |  |
| Nominal Energy (kWh)             | 84.6                                                                              | 94.0                                                                              | 103.4                                                                               | 112.8                                                                               |
| Nominal Voltage (V)              | 460.8                                                                             | 512.0                                                                             | 563.2                                                                               | 614.4                                                                               |
| Operating Voltage Range (V)      | 432-518.4                                                                         | 480-576                                                                           | 528-633.6                                                                           | 576-691.2                                                                           |
| Dimension(W*D*H) (mm)            | 780*432*1680                                                                      | 780*432*1840                                                                      | 780*432*2000                                                                        | 780*432*2160                                                                        |
| Weight (Kg)                      | 671.80                                                                            | 743.80                                                                            | 815.80                                                                              | 887.80                                                                              |
| Charging Temperature             | From 0 to 50°C                                                                    |                                                                                   |                                                                                     |                                                                                     |
| Discharging Temperature          | From -10 to 60°C                                                                  |                                                                                   |                                                                                     |                                                                                     |
| Depth of Discharge               | 95% DOD                                                                           |                                                                                   |                                                                                     |                                                                                     |
| Nominal Charge/Discharge Current | 100A                                                                              |                                                                                   |                                                                                     |                                                                                     |
| Max. Charge/Discharge Current    | 100A                                                                              |                                                                                   |                                                                                     |                                                                                     |
| Cycle Life                       | >6000, 25 °C                                                                      |                                                                                   |                                                                                     |                                                                                     |
| Ingress Protection Degree        | IP65                                                                              |                                                                                   |                                                                                     |                                                                                     |
| Cooling Type                     | Natural convection                                                                |                                                                                   |                                                                                     |                                                                                     |
| Humidity                         | 5%~95%                                                                            |                                                                                   |                                                                                     |                                                                                     |
| Airitude                         | <2000                                                                             |                                                                                   |                                                                                     |                                                                                     |
| Warranty                         | 10 years                                                                          |                                                                                   |                                                                                     |                                                                                     |
| Communication                    | CAN/RS485/WIFI/Bluetooth                                                          |                                                                                   |                                                                                     |                                                                                     |
| Battery Safety                   | IEC 62619/IEC 62477/CE-RED/CE-EMC                                                 |                                                                                   |                                                                                     |                                                                                     |
| Transportation Certification     | UN38.3                                                                            |                                                                                   |                                                                                     |                                                                                     |

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- providing remote diagnostics or upgrades
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