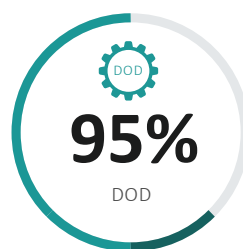
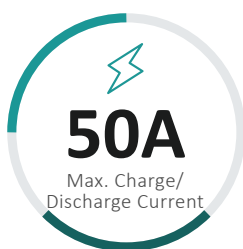




## HVES Home H Series

SMART ENERGY  
SUSTAINABLE SOLUTIONS „

2.7 kWh High Voltage Battery



### Leading Technology

- Optimized compact modular design enables higher flexibility in installation and operation
- Higher DOD (95%) for more usable energy
- Extreme lightness and thinness for single person rapid installation

### Intelligent Platform

- Service for predicting and solving the problems online faster and in time

### Ultra Safety

- Built-in aerosol fire-protection system
- Improved heat dissipation structure
- Top-quality lithium iron phosphate for a long-time cycle life

### Smart Management

- 24/7 real-time monitoring & remote diagnosis or upgrade

# HVES Home H Series

| Model                            | HOME-ESS-HV-2.7K                                                                  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cell Type                        | LFP(LiFePO <sub>4</sub> )                                                         |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Module Energy                    | 2.7kWh                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Module Weight                    | 25.4Kg                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Number of Modules                | 3                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                   | 7                                                                                   | 8                                                                                   |
| System Structure                 |  |  |  |  |  |  |
| Nominal Energy (kWh)             | 8.1                                                                               | 10.8                                                                              | 13.5                                                                              | 16.2                                                                                | 18.9                                                                                | 21.6                                                                                |
| Nominal Voltage (V)              | 153.6                                                                             | 204.8                                                                             | 256                                                                               | 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)            | 650*225*728                                                                       | 650*225*890                                                                       | 650*225*1052                                                                      | 650*225*1214                                                                        | 650*225*1376                                                                        | 650*225*1538                                                                        |
| Weight (Kg)                      | 89.05                                                                             | 114.40                                                                            | 139.75                                                                            | 165.10                                                                              | 190.45                                                                              | 215.80                                                                              |
| Charging Temperature             | From 0 to 50°C                                                                    |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Discharging Temperature          | From -10 to 60°C                                                                  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Depth of Discharge               | 95% DOD                                                                           |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Nominal Charge/Discharge Current | 25A                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Max. Charge/Discharge Current    | 50A                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| 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 Home H Series

| Model                            | HOME-ESS-HV-2.7K                                                                  |                                                                                   |                                                                                     |                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cell Type                        | LFP(LiFePO <sub>4</sub> )                                                         |                                                                                   |                                                                                     |                                                                                     |
| Module Energy                    | 2.7kWh                                                                            |                                                                                   |                                                                                     |                                                                                     |
| Module Weight                    | 25.4Kg                                                                            |                                                                                   |                                                                                     |                                                                                     |
| Number of Modules                | 9                                                                                 | 10                                                                                | 11                                                                                  | 12                                                                                  |
| System Structure                 |  |  |  |  |
| Nominal Energy (kWh)             | 24.3                                                                              | 27.0                                                                              | 29.7                                                                                | 32.4                                                                                |
| 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)            | 650*225*1700                                                                      | 650*225*1862                                                                      | 650*225*2024                                                                        | 650*225*2186                                                                        |
| Weight (Kg)                      | 241.15                                                                            | 266.50                                                                            | 291.85                                                                              | 317.20                                                                              |
| Charging Temperature             | From 0 to 50°C                                                                    |                                                                                   |                                                                                     |                                                                                     |
| Discharging Temperature          | From -10 to 60°C                                                                  |                                                                                   |                                                                                     |                                                                                     |
| Depth of Discharge               | 95% DOD                                                                           |                                                                                   |                                                                                     |                                                                                     |
| Nominal Charge/Discharge Current | 25A                                                                               |                                                                                   |                                                                                     |                                                                                     |
| Max. Charge/Discharge Current    | 50A                                                                               |                                                                                   |                                                                                     |                                                                                     |
| 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                                                                            |                                                                                   |                                                                                     |                                                                                     |

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