

## Indoor C&I ESS Solution

### Rack-Mounted Battery(HV)



## Features and Advantages

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### Safer

- High-quality LFP batteries.
- Over-discharge, overcharge, overcurrent, and extreme temperature protection.
- Supports AC coupling, DC coupling, and microgrid scenarios.



### Reliable

- Operating temp: -20-55°C.
- Operate up to 3000m altitude.
- Support up to 10 Cluster in parallel.
- Support up to 160A current output.



### Easy Installation

- Time-saving design
- Quick-Connect
- Support 4-13 packs.



### Intelligent

- LED display screen.
- Intelligent charge/discharge strategy.
- Support remote operation and maintenance.

# VEB 100kWh-261kWh(AF/EU)

## Technical Parameters



| Model                              | VEB series                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
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|                                    |  |  |  |  |  |  |  |  |  |
| System                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Module Quantity                    | 5                                                                                 | 6                                                                                 | 7                                                                                 | 8                                                                                 | 9                                                                                 | 10                                                                                  | 11                                                                                  | 12                                                                                  | 13                                                                                  |
| Nominal Capacity                   | 100kWh                                                                            | 120kWh                                                                            | 140kWh                                                                            | 160kWh                                                                            | 180kWh                                                                            | 200kWh                                                                              | 221kWh                                                                              | 241kWh                                                                              | 261kWh                                                                              |
| Nominal Voltage                    | 320V                                                                              | 384V                                                                              | 448V                                                                              | 512V                                                                              | 576V                                                                              | 640V                                                                                | 704V                                                                                | 768V                                                                                | 832V                                                                                |
| Operation Voltage Range            | 280-360V                                                                          | 336-432V                                                                          | 392-504V                                                                          | 448-576V                                                                          | 504-648V                                                                          | 560-720V                                                                            | 616-792V                                                                            | 672-864V                                                                            | 728-936V                                                                            |
| Weight                             | 813kg                                                                             | 963kg                                                                             | 1112kg                                                                            | 1261kg                                                                            | 1423kg                                                                            | 1572kg                                                                              | 1719kg                                                                              | 1868kg                                                                              | 2030kg                                                                              |
| Battery Type                       | LFP                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Cell Capacity                      | 314Ah                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Rated Charge/Discharge Current     | 160A(0.5C)                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Battery Module                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Module Capacity                    | 20.09kWh                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Rated Voltage                      | 64V                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Dimension(W*D*H)                   | 483*941*261mm                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Weight                             | 149kg                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| General                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Cycle Life                         | 6000 Cycles@80%DOD, 25℃                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Communication                      | CAN/RS485                                                                         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Altitude                           | <3000m                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Expansion                          | Max. 6 Cluster System in Parallel                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Charge/Discharge Temperature Range | Charge:0℃-55℃/Discharge:-20℃-55℃                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| IP Rating                          | IP20                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Operating Humidity                 | 5-95%RH(no condensation)                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Environment                        | Indoor                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Installation Type                  | Stackable Level Package((Rack Option)                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Cooling Concept                    | Natural Cooling                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Standard                           | UN38.3/CE-EMC/IEC62619/IEC 62477/IEC 63056                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Inverter Match                     | Deye/Solis/Megarevo etc.                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Transport testing requirement      | UN38.3                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

