



# HIGH VOLTAGE ENERGY STORAGE SYSTEM

## Top three of Global Residential ESS Supplier



## Specification



| Basic Parameters                 | RB-HVC-600-40S |
|----------------------------------|----------------|
| Controller Working Voltage (Vdc) | 60~400         |
| Dimension (W*D*H, mm)            | 400*270*132    |
| Weight (kg)                      | 7              |
| Protection Class                 | IP 55          |
| Operation Life                   | +15 years      |
| Safety Certification             | TUV/CE         |



| Basic Parameters         | H48050       | H48074       |
|--------------------------|--------------|--------------|
| Normal Voltage (Vdc)     | 48           | 48           |
| Nominal Capacity (Wh)    | 2400         | 3552         |
| Usable Capacity (Wh)     | 2200         | 3200         |
| Working Temperature (°C) | 0~50         | 0~50         |
| Design Life (Cycle)      | >6000, 25 °C | >6000, 25 °C |
| Safety Certification     | IEC62619/CE  | IEC62619/CE  |

## RB-HVS-Series-50AH

| No. | Product Type                                | RB-HVS-<br>192-50                                                  | RB-HVS-<br>240-50 | RB-HVS-<br>288-50 | RB-HVS-<br>336-50 | RB-HVS-<br>384-50 |
|-----|---------------------------------------------|--------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 1   | Battery System Capacity(kWh)                | 9.6                                                                | 12.0              | 14.4              | 16.8              | 19.2              |
| 2   | Battery System Usable Capacity(kWh)         | 8.64                                                               | 10.8              | 12.96             | 15.12             | 17.28             |
| 3   | Battery System Voltage(Vdc)                 | 192                                                                | 240               | 288               | 336               | 384               |
| 4   | Battery Module Name                         | H48050                                                             |                   |                   |                   |                   |
| 5   | Battery Module Quantity(pcs)                | 4                                                                  | 5                 | 6                 | 7                 | 8                 |
| 6   | Battery System Charge Upper-Voltage(Vdc)    | 219                                                                | 273.75            | 328.5             | 383.25            | 438               |
| 7   | Battery System Discharge lower-Voltage(Vdc) | 162                                                                | 202.5             | 243               | 283.5             | 324               |
| 8   | Weight (kg)                                 | 140                                                                | 205.5             | 228               | 250.5             | 273               |
| 9   | Operation Life(Years)                       | 15 years                                                           |                   |                   |                   |                   |
| 10  | Warranty                                    | 10 years                                                           |                   |                   |                   |                   |
| 11  | Operation Temperature(°C)                   | Charge: 0~50, 30A; 50~55: 10A<br>Discharge: -10~50, 30A; 50~55:10A |                   |                   |                   |                   |
| 12  | Storage Temperature(°C)                     | 20~60                                                              |                   |                   |                   |                   |
| 13  | Product Certificate                         | IEC62619, IEC62477-1, IEC62040, CE                                 |                   |                   |                   |                   |
| 14  | Transfer Certificate for battery module     | UN38.3                                                             |                   |                   |                   |                   |
| 15  | Battery System Current(Standard)            | 10                                                                 |                   |                   |                   |                   |
| 16  | Battery System Current(Normal)              | 25                                                                 |                   |                   |                   |                   |
| 17  | Battery System Current(Max.)                | 30                                                                 |                   |                   |                   |                   |
| 18  | Battery System DC Rate Power(kW)            | 4.8                                                                | 6.0               | 7.2               | 8.4               | 9.6               |
| 19  | Battery System DC Max.DC Power(kW)          | 5.76                                                               | 7.2               | 8.64              | 10.08             | 11.52             |
| 20  | Efficiency %                                | 96                                                                 |                   |                   |                   |                   |
| 21  | Depth of discharge %                        | 90                                                                 |                   |                   |                   |                   |
| 22  | Communication                               | CAN, MODBUS RTU                                                    |                   |                   |                   |                   |
| 23  | System protection class                     | IP54                                                               |                   |                   |                   |                   |

## RB-HVS-Series-74AH

| No. | Product Type                                | RB-HVS-<br>192-74                                                  | RB-HVS-<br>240-74 | RB-HVS-<br>288-74 | RB-HVS-<br>336-74 | RB-HVS-<br>384-74 |
|-----|---------------------------------------------|--------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 1   | Battery System Capacity(kWh)                | 14.21                                                              | 17.76             | 21.31             | 24.86             | 28.42             |
| 2   | Battery System Usable Capacity(kWh)         | 12.79                                                              | 15.98             | 19.18             | 22.37             | 25.59             |
| 3   | Battery System Voltage(Vdc)                 | 192                                                                | 240               | 288               | 336               | 384               |
| 4   | Battery Module Name                         | H48074                                                             |                   |                   |                   |                   |
| 5   | Battery Module Quantity(pcs)                | 4                                                                  | 5                 | 6                 | 7                 | 8                 |
| 6   | Battery System Charge Upper-Voltage(Vdc)    | 219                                                                | 273.75            | 328.5             | 383.25            | 438               |
| 7   | Battery System Discharge lower-Voltage(Vdc) | 162                                                                | 202.5             | 243               | 283.5             | 324               |
| 8   | Weight (kg)                                 | 178                                                                | 253               | 285               | 317               | 349               |
| 9   | Operation Life(Years)                       | 15 years                                                           |                   |                   |                   |                   |
| 10  | Warranty                                    | 10 years                                                           |                   |                   |                   |                   |
| 11  | Operation Temperature(°C)                   | Charge: 0~50, 30A; 50~55: 10A<br>Discharge: -10~50, 30A; 50~55:10A |                   |                   |                   |                   |
| 12  | Storage Temperature(°C)                     | 20~60                                                              |                   |                   |                   |                   |
| 13  | Product Certificate                         | IEC62619, IEC62477-1, IEC62040, CE                                 |                   |                   |                   |                   |
| 14  | Transfer Certificate for battery module     | UN38.3                                                             |                   |                   |                   |                   |
| 15  | Battery System Current(Standard)            | 10                                                                 |                   |                   |                   |                   |
| 16  | Battery System Current(Normal)              | 25                                                                 |                   |                   |                   |                   |
| 17  | Battery System Current(Max.)                | 30                                                                 |                   |                   |                   |                   |
| 18  | Battery System DC Rate Power(kW)            | 4.8                                                                | 6.0               | 7.2               | 8.4               | 9.6               |
| 19  | Battery System DC Max.DC Power(kW)          | 5.76                                                               | 7.2               | 8.64              | 10.08             | 11.52             |
| 20  | Efficiency %                                | 96                                                                 |                   |                   |                   |                   |
| 21  | Depth of discharge %                        | 90                                                                 |                   |                   |                   |                   |
| 22  | Communication                               | CAN, MODBUS RTU                                                    |                   |                   |                   |                   |
| 23  | System protection class                     | IP54                                                               |                   |                   |                   |                   |