

# LiFePO4 Battery



Marsriva Technology Co., Ltd.

[www.marsriva.com](http://www.marsriva.com)



# CONTENTS

## Low Voltage (12.8V)

|                        |    |
|------------------------|----|
| MR-LFP12-100-WMD ..... | 01 |
| MR-LFP12-200-WMD ..... | 02 |
| MR-LFP12-300-WMD ..... | 03 |

## Low Voltage (25.6V)

|                        |    |
|------------------------|----|
| MR-LFP24-100-WMD ..... | 04 |
| MR-LFP24-200-WMD ..... | 05 |
| MR-LFP24-314-WMD ..... | 06 |

## Low Voltage (51.2V)

|                        |    |
|------------------------|----|
| MR-LFP48-100-WMD ..... | 07 |
| MR-LFP48-200-WMD ..... | 08 |
| MR-LFP48-280-WMD ..... | 09 |
| MR-LFP48-314-WMD ..... | 10 |
| MR-LFP48-350-WMD ..... | 11 |
| MR-LFP48-350-FSD ..... | 12 |
| MR-LFP48-560-FSD ..... | 13 |

## Rack Mounted Battery

|                                      |    |
|--------------------------------------|----|
| Low Voltage (51.2V) .....            | 14 |
| High Voltage (204.8V - 614.4V) ..... | 15 |

# 1.30kWh LiFePO4 Battery

12.8V / 102Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP12-100-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 12.8V   |
| Nominal Capacity               | 102Ah   |
| Storage Energy                 | 1.30kWh   |
| Charging Voltage               | 14.4V DC  |
| Discharging Cut-off Voltage    | 10.8V DC  |
| Max. Charging Current          | 100A  |
| Max. Discharging Current       | 100A  |
| Battery Internal Resistance    | $\leq 10\text{m}\Omega$                             |
| Cycle Life                     | $\geq 6000$ @25°C, 70% EOL                          |
| Design Life                    | $\geq 10$ years                                     |
| Communication                  | Bluetooth, RS485(BMS), RS485(Parallel)              |
| Number of Parallel Connections | Up to 15 units                                      |
| Terminal Size                  | M6  |
| Charging Temperature           | 0°C to 55°C   |
| Discharge Temperature          | -20°C to 60°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| Dimension (L*W*H)              | 315 × 190 × 155mm (Package size: 395 × 250 × 220mm) |
| Weight                         | Net Weight: 11.3kg                                  |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 2.61kWh LiFePO4 Battery

12.8V / 204Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP12-200-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 12.8V   |
| Nominal Capacity               | 204Ah   |
| Storage Energy                 | 2.61kWh   |
| Charging Voltage               | 14.4V DC  |
| Discharging Cut-off Voltage    | 10.8V DC  |
| Max. Charging Current          | 100A  |
| Max. Discharging Current       | 100A  |
| Battery Internal Resistance    | $\leq 10\text{m}\Omega$                             |
| Cycle Life                     | $\geq 6000$ @25°C, 70% EOL                          |
| Design Life                    | $\geq 10$ years                                     |
| Communication                  | Bluetooth, RS485(BMS), RS485(Parallel)              |
| Number of Parallel Connections | Up to 15 units                                      |
| Terminal Size                  | M6  |
| Charging Temperature           | 0°C to 55°C   |
| Discharge Temperature          | -20°C to 60°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| Dimension (L*W*H)              | 315 × 350 × 155mm (Package size: 420 × 400 × 230mm) |
| Weight                         | Net Weight: 21.65kg                                 |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 3.91kWh LiFePO4 Battery

12.8V / 306Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP12-300-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 12.8V   |
| Nominal Capacity               | 306Ah   |
| Storage Energy                 | 3.91kWh   |
| Charging Voltage               | 14.4V DC  |
| Discharging Cut-off Voltage    | 10.8V DC  |
| Max. Charging Current          | 100A  |
| Max. Discharging Current       | 100A  |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥6000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Communication                  | Bluetooth, RS485(BMS), RS485(Parallel)              |
| Number of Parallel Connections | Up to 15 units                                      |
| Terminal Size                  | M6  |
| Charging Temperature           | 0°C to 55°C   |
| Discharge Temperature          | -20°C to 60°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| Dimension (L*W*H)              | 420 × 350 × 155mm (Package size: 495 × 410 × 215mm) |
| Weight                         | Net Weight: 31.25kg                                 |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 2.61kWh LiFePO4 Battery

25.6V / 102Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP24-100-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 25.6V   |
| Nominal Capacity               | 102Ah   |
| Storage Energy                 | 2.61kWh   |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥6000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 105A  |
| Max. Discharging Current       | 120A  |
| Peak Charging Current          | 110A / 2s   |
| Peak Discharging Current       | 125A / 2s   |
| Communication                  | RS485, CAN  |
| Number of Parallel Connections | Up to 15 units                                      |
| Charging Temperature           | 0°C to 60°C   |
| Discharge Temperature          | -15°C to 55°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                               |
| Dimension (L*W*H)              | 530 × 368 × 200mm (Package size: 610 × 450 × 290mm) |
| Weight                         | Net Weight: 28.0kg (Gross Weight: 35.2kg)           |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 5.22kWh LiFePO4 Battery

25.6V / 204Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP24-200-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 25.6V   |
| Nominal Capacity               | 204Ah   |
| Storage Energy                 | 5.22kWh   |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥6000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 120A  |
| Max. Discharging Current       | 120A  |
| Peak Charging Current          | 125A / 2s   |
| Peak Discharging Current       | 125A / 2s   |
| Communication                  | RS232, RS485, CAN                                   |
| Number of Parallel Connections | Up to 15 units                                      |
| Charging Temperature           | 0°C to 60°C   |
| Discharge Temperature          | -15°C to 55°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                               |
| Dimension (L*W*H)              | 597 × 398 × 200mm (Package size: 690 × 490 × 410mm) |
| Weight                         | Net Weight: 47.2kg (Gross Weight: 57.4kg)           |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 8.03kWh LiFePO4 Battery

25.6V / 314Ah



## SPECIFICATIONS

|                                |                                  |
|--------------------------------|----------------------------------|
| Model                          | MR-LBP24-314-WMT                 |
| Battery Type                   | LiFePO4 Battery (Grade A)        |
| Nominal Voltage                | 25.6V                            |
| Nominal Capacity               | 314Ah                            |
| Storage Energy                 | 8.03kWh                          |
| Battery Internal Resistance    | $\leq 10\text{m}\Omega$          |
| Cycle Life                     | $\geq 6000$ @25°C, 70% EOL       |
| Design Life                    | $\geq 10$ years                  |
| Max. Charging Current          | 210A                             |
| Max. Discharging Current       | 210A                             |
| Peak Charging Current          | 215A / 2s                        |
| Peak Discharging Current       | 215A / 2s                        |
| Communication                  | BMS (485 / CAN), RS232, Parallel |
| Number of Parallel Connections | Up to 15 units                   |
| Charging Temperature           | 0°C to 60°C                      |
| Discharge Temperature          | -15°C to 56°C                    |
| Storage Temperature            | -30°C to 35°C                    |
| Humidity                       | 5% – 95%                         |
| LCD                            | 4.3-inch touch screen            |
| Dimension (WxDxH)              | 398 × 200 × 597mm                |
| Weight                         | Net Weight: 44kg                 |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 5.22kWh LiFePO4 Battery

51.2V / 102Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP48-100-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 51.2V   |
| Nominal Capacity               | 102Ah   |
| Storage Energy                 | 5.22kWh   |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥6000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 105A  |
| Max. Discharging Current       | 120A  |
| Peak Charging Current          | 110A / 2s   |
| Peak Discharging Current       | 125A / 2s   |
| Communication                  | RS232, RS485, CAN                                   |
| Number of Parallel Connections | Up to 15 units                                      |
| Charging Temperature           | 0°C to 60°C   |
| Discharge Temperature          | -15°C to 55°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                               |
| Dimension (L*W*H)              | 597 × 398 × 200mm (Package size: 690 × 490 × 410mm) |
| Weight                         | Net Weight: 47.3kg (Gross Weight: 57.5kg)           |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 10.44kWh LiFePO4 Battery

51.2V / 204Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP48-200-WMD                                    |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                       |
| Nominal Voltage                | 51.2V   |
| Nominal Capacity               | 204Ah   |
| Storage Energy                 | 10.44kWh  |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥6000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 210A  |
| Max. Discharging Current       | 210A  |
| Peak Charging Current          | 215A / 2s   |
| Peak Discharging Current       | 215A / 2s   |
| Communication                  | RS232, RS485, CAN                                   |
| Number of Parallel Connections | Up to 15 units                                      |
| Charging Temperature           | 0°C to 60°C   |
| Discharge Temperature          | -15°C to 55°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                               |
| Dimension (L*W*H)              | 847 × 483 × 200mm (Package size: 940 × 578 × 410mm) |
| Weight                         | Net Weight: 89.3kg (Gross Weight: 104.2kg)          |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 14.33kWh LiFePO4 Battery

51.2V / 280Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP48-280-WMD                                    |
| Battery Type                   | REPT LiFePO4 Battery (Grade A)                      |
| Nominal Voltage                | 51.2V   |
| Nominal Capacity               | 280Ah   |
| Storage Energy                 | 14.33kWh  |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥8000 @25°C, 70% EOL                                |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 200A  |
| Max. Discharging Current       | 200A  |
| Peak Charging Current          | 215A / 2s   |
| Peak Discharging Current       | 215A / 2s   |
| Communication                  | RS485, CAN  |
| Number of Parallel Connections | Up to 15 units                                      |
| Charging Temperature           | 0°C to 50°C   |
| Discharge Temperature          | -15°C to 50°C                                       |
| Storage Temperature            | -30°C to 35°C                                       |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                               |
| Dimension (L*W*H)              | 825 × 428 × 238mm (Package size: 910 × 510 × 425mm) |
| Weight                         | Net Weight: 110.7kg (Gross Weight: 125.5kg)         |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 16.07kWh LiFePO4 Battery

51.2V / 314Ah



## SPECIFICATIONS

|                                |                                  |
|--------------------------------|----------------------------------|
| Model                          | MR-LBP48-314-WMT                 |
| Battery Type                   | LiFePO4 Battery (Grade A)        |
| Nominal Voltage                | 51.2V                            |
| Nominal Capacity               | 314Ah                            |
| Storage Energy                 | 16.07kWh                         |
| Battery Internal Resistance    | ≤10mΩ                            |
| Cycle Life                     | ≥6000 @25°C, 70% EOL             |
| Design Life                    | ≥10 years                        |
| Max. Charging Current          | 210A                             |
| Max. Discharging Current       | 210A                             |
| Peak Charging Current          | 215A / 2s                        |
| Peak Discharging Current       | 215A / 2s                        |
| Communication                  | BMS (485 / CAN), RS232, Parallel |
| Number of Parallel Connections | Up to 15 units                   |
| Charging Temperature           | 0°C to 55°C                      |
| Discharge Temperature          | -20°C to 55°C                    |
| Storage Temperature            | -30°C to 35°C                    |
| Humidity                       | 5% – 95%                         |
| LCD                            | 4.3-inch touch screen            |
| Dimension (W×D×H)              | 428 × 238 × 825mm                |
| Weight                         | Net Weight: 110kg                |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 17.92kWh LiFePO4 Battery

51.2V / 350Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP48-350-WMD                                      |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                         |
| Nominal Voltage                | 51.2V   |
| Nominal Capacity               | 350Ah   |
| Storage Energy                 | 17.92kWh  |
| Battery Internal Resistance    | ≤10mΩ   |
| Cycle Life                     | ≥8000 @25°C, 70% EOL                                  |
| Design Life                    | ≥10 years   |
| Max. Charging Current          | 200A  |
| Max. Discharging Current       | 200A  |
| Peak Charging Current          | 215A / 2s   |
| Peak Discharging Current       | 215A / 2s   |
| Communication                  | RS485, CAN  |
| Number of Parallel Connections | Up to 15 units  |
| Charging Temperature           | 0°C to 50°C   |
| Discharge Temperature          | -15°C to 50°C   |
| Storage Temperature            | -30°C to 35°C   |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                                 |
| Dimension (L*W*H)              | 1150 × 538 × 200mm (Package size: 1225 × 620 × 385mm) |
| Weight                         | Net Weight: 139.5kg (Gross Weight: 162.5kg)           |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 17.92kWh LiFePO4 Battery

51.2V / 350Ah



## SPECIFICATIONS

|                                |  |
|--------------------------------|--|
| Model                          | MR-LFP48-350-FSD                                     |
| Battery Type                   | BYD LiFePO4 Battery (Grade A)                        |
| Nominal Voltage                | 51.2V  |
| Nominal Capacity               | 350Ah  |
| Storage Energy                 | 17.92kWh   |
| Battery Internal Resistance    | ≤10mΩ  |
| Cycle Life                     | ≥8000 @25°C, 70% EOL                                 |
| Design Life                    | ≥10 years  |
| Max. Charging Current          | 210A   |
| Max. Discharging Current       | 210A   |
| Peak Charging Current          | 215A / 2s  |
| Peak Discharging Current       | 215A / 2s  |
| Communication                  | RS485, CAN   |
| Number of Parallel Connections | Up to 15 units                                       |
| Charging Temperature           | 0°C to 60°C  |
| Discharge Temperature          | -15°C to 55°C  |
| Storage Temperature            | -30°C to 35°C  |
| Humidity                       | 5% – 95%   |
| LCD                            | 4.3-inch touch screen                                |
| Dimension (L*W*H)              | 520 × 470 × 855mm (Package size: 615 × 565 × 1040mm) |
| Weight                         | Net Weight: 138kg (Gross Weight: 154.2kg)            |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# 28.67kWh LiFePO4 Battery

51.2V / 560Ah



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Model                          | MR-LFP48-560-FSD                                      |
| Battery Type                   | REPT LiFePO4 Battery (Grade A)                        |
| Nominal Voltage                | 51.2V   |
| Nominal Capacity               | 560Ah   |
| Storage Energy                 | 28.67kWh  |
| Battery Internal Resistance    | $\leq 10\text{m}\Omega$                               |
| Cycle Life                     | $\geq 8000$ @25°C, 70% EOL                            |
| Design Life                    | $\geq 10$ years                                       |
| Max. Charging Current          | 200A  |
| Max. Discharging Current       | 200A  |
| Peak Charging Current          | 215A / 2s   |
| Peak Discharging Current       | 215A / 2s   |
| Communication                  | RS485, CAN  |
| Number of Parallel Connections | Up to 15 units  |
| Charging Temperature           | 0°C to 50°C   |
| Discharge Temperature          | -15°C to 50°C   |
| Storage Temperature            | -30°C to 35°C   |
| Humidity                       | 5% – 95%  |
| LCD                            | 4.3-inch touch screen                                 |
| Dimension (L*W*H)              | 520 × 480 × 1005mm (Package size: 605 × 565 × 1155mm) |
| Weight                         | Net Weight: 228kg (Gross Weight: 246kg)               |

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.

# Rack Mounted LifePO4 Battery

Low Voltage (51.2V)



Battery Module  
MR-LFP5.12-LRT  
51.2V / 100Ah (5.12kWh)



BP20LRT  
(20kWh)

MR-LFP12-100-WMD

MR-LFP12-200-WMD

MR-LFP12-300-WMD

## SPECIFICATIONS

|                          |   |                  |
|--------------------------|---|------------------|
| Model                    | MR-LFP5.12-LRT                                |                  |
| Battery Type             | REPT LiFePO4 Battery (Grade A)                | MR-LFP24-100-WMD |
| Nominal Voltage          | 51.2V   | MR-LFP24-200-WMD |
| Nominal Capacity         | 100Ah   | MR-LFP24-314-WMD |
| Nominal Storage Energy   | 5.12kWh                                       |                  |
| Cycle Life               | ≥6000 cycles @25°C, 70% EOL                   |                  |
| Design Life              | ≥10 years                                     | MR-LFP48-100-WMD |
| Output Voltage Range     | 43.2V ~ 58.4V                                 | MR-LFP48-200-WMD |
| Charging Voltage         | 57.6V ~ 58.4V                                 | MR-LFP48-280-WMD |
| Max. Charging Current    | 100A  | MR-LFP48-314-WMD |
| Rcmd. Charging Current   | 50A   | MR-LFP48-350-WMD |
| Max. Discharging Current | 100A  | MR-LFP48-350-FSD |
| Efficiency               | ≥98%  | MR-LFP48-560-FSD |
| Communication Interface  | BMS(RS485, CAN), RS232, Parallel, Dry-contact |                  |
| Parallel Capacity        | Up to 15 units                                |                  |
| Charging Temperature     | 0°C to 55°C                                   |                  |
| Discharge Temperature    | -20°C to 60°C                                 |                  |
| Storage Temperature      | -10°C to 30°C                                 |                  |
| Humidity                 | 5% – 95%                                      |                  |
| Weight                   | 480 × 442 × 155mm                             |                  |
| Dimension (L*W*H)        | 47kg  |                  |

# Rack Mounted LifePO4 Battery

Low Voltage (51.2V)



Battery Module  
MR-LFP5.12-LRT  
51.2V / 100Ah (5.12kWh)



BP20LRT  
(20kWh)

MR-LFP12-100-WMD

MR-LFP12-200-WMD

MR-LFP12-300-WMD

## SPECIFICATIONS

|                          |   |                  |
|--------------------------|---|------------------|
| Model                    | MR-LFP5.12-LRT                                |                  |
| Battery Type             | REPT LiFePO4 Battery (Grade A)                | MR-LFP24-100-WMD |
| Nominal Voltage          | 51.2V   | MR-LFP24-200-WMD |
| Nominal Capacity         | 100Ah   | MR-LFP24-314-WMD |
| Nominal Storage Energy   | 5.12kWh                                       |                  |
| Cycle Life               | ≥6000 cycles @25°C, 70% EOL                   |                  |
| Design Life              | ≥10 years                                     | MR-LFP48-100-WMD |
| Output Voltage Range     | 43.2V ~ 58.4V                                 | MR-LFP48-200-WMD |
| Charging Voltage         | 57.6V ~ 58.4V                                 | MR-LFP48-280-WMD |
| Max. Charging Current    | 100A  | MR-LFP48-314-WMD |
| Rcmd. Charging Current   | 50A   | MR-LFP48-350-WMD |
| Max. Discharging Current | 100A  | MR-LFP48-350-FSD |
| Efficiency               | ≥98%  | MR-LFP48-560-FSD |
| Communication Interface  | BMS(RS485, CAN), RS232, Parallel, Dry-contact |                  |
| Parallel Capacity        | Up to 15 units                                |                  |
| Charging Temperature     | 0°C to 55°C                                   |                  |
| Discharge Temperature    | -20°C to 60°C                                 |                  |
| Storage Temperature      | -10°C to 30°C                                 |                  |
| Humidity                 | 5% – 95%                                      |                  |
| Weight                   | 480 × 442 × 155mm                             |                  |
| Dimension (L*W*H)        | 47kg  |                  |

# Rack Mounted LifePO4 Battery

High Voltage (204.8V - 614.4V)



HV Battery Control Box  
MR-CB6100H5.12RT



Battery Module  
MR-LFP5.12-HRT  
51.2V / 100Ah (5.12kWh)



BP20HRT  
204.8V / 100Ah (20kWh)



BP40HRT  
409.6 / 100Ah (40kWh)



BP60HRT  
614.4V / 100Ah (60kWh)

## SPECIFICATIONS

| Model                      | BP20HRT                                    | BP40HRT       | BP60HRT        |
|----------------------------|--|---------------|----------------|
| Battery Type               | REPT LiFePO4 Battery (Grade A)             |               |                |
| Battery Module Number      | 4*51.2V-100Ah                              | 8*51.2V-100Ah | 12*51.2V-100Ah |
| Nominal Energy             | 20.48kWh                                   | 40.96kWh      | 61.44kWh       |
| Nominal Voltage            | 204.8V                                     | 409.6V        | 614.4V         |
| Working Voltage Range      | 184V-224V                                  | 368V-448V     | 552V-672V      |
| Rated Working Current      | Charge / Discharge: 100A                   |               |                |
| Peak Working Current       | Charge / Discharge: 125A (@25°C, 5S)       |               |                |
| Cycle Life                 | ≥6000 cycles @25°C, 70% EOL                |               |                |
| Design Life                | ≥10 years                                  |               |                |
| Self-consumption           | ≤3.5% per month @25°C                      |               |                |
| Communication Interface    | CAN / TCP / IP                             |               |                |
| Installation Method        | Floor-standing                             |               |                |
| Protection Level           | IP20                                       |               |                |
| Parallel Capacity          | up to 5 units                              |               |                |
| Working Temperature Range  | Charge: 0 to 55°C; Discharge: -20 to 55°C; |               |                |
| Weight (kg)                | 201.4                                      | 392.8         | 582.2          |
| Dimension (W × D × H) (mm) | 553×503×1011                               | 553×503×1620  | 553×503×2230   |