



# LiFePO4 Battery



Marsriva Technology Co., Ltd.

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

# 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    | $\leq 10\text{m}\Omega$                             |
| Cycle Life                     | $\geq 6000$ @25°C, 70% EOL                          |
| Design Life                    | $\geq 10$ 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.