

LiFePO4 Battery



Marsriva Technology Co., Ltd.

www.marsriva.com

2.61kWh LiFePO4 Battery

25.6V / 102Ah



SPECIFICATIONS

Model	MR-LFP24-100-WMD
Battery Type	BYD LiFePO4 Battery (Grade A)
Nominal Voltage	25.6V
Capacity	102Ah
Storage Capacity	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
Capacity	204Ah
Storage Capacity	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.

7.68kWh LiFePO4 Battery

25.6V / 300Ah



SPECIFICATIONS

Model	MR-LFP24-300-WMD
Battery Type	REPT LiFePO4 Battery (Grade A)
Nominal Voltage	25.6V
Capacity	300Ah
Storage Capacity	7.68kWh
Battery Internal Resistance	≤10mΩ
Cycle Life	≥6000 @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	RS232, 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)	600 × 398 × 238mm (Package size: 690 × 480 × 425mm)
Weight	Net Weight: 62.5kg (Gross Weight: 75.2kg)

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

5.22kWh LiFePO4 Battery

51.2V / 102Ah



SPECIFICATIONS

Model	MR-LFP48-100-WMD
Battery Type	BYD LiFePO4 Battery (Grade A)
Nominal Voltage	51.2V
Capacity	102Ah
Storage Capacity	5.22kWh
Battery Internal Resistance	$\leq 10\text{m}\Omega$
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
Capacity	204Ah
Storage Capacity	10.44kWh
Battery Internal Resistance	$\leq 10\text{m}\Omega$
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
Capacity	280Ah
Storage Capacity	14.33kWh
Battery Internal Resistance	≤10mΩ
Cycle Life	≥6000 @25°C, 80% 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.

16.38kWh LiFePO4 Battery

51.2V / 320Ah



SPECIFICATIONS

Model	MR-LFP48-320-FSD
Battery Type	BYD LiFePO4 Battery (Grade A)
Nominal Voltage	51.2V
Capacity	320Ah
Storage Capacity	16.38kWh
Battery Internal Resistance	$\leq 10\text{m}\Omega$
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)	520 × 470 × 855mm (Package size: 615 × 565 × 1040mm)
Weight	Net Weight: 142.4kg (Gross Weight: 158.1kg)

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

17.40kWh LiFePO4 Battery

51.2V / 340Ah



SPECIFICATIONS

Model	MR-LFP48-340-WMD
Battery Type	Gotion LiFePO4 Battery (Grade A)
Nominal Voltage	51.2V
Capacity	340Ah
Storage Capacity	17.40kWh
Battery Internal Resistance	≤10mΩ
Cycle Life	≥6000 @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)	738 × 610 × 238mm (Package size: 825 × 695 × 425mm)
Weight	Net Weight: 123.7kg (Gross Weight: 142.2kg)

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
Capacity	560Ah
Storage Capacity	28.67kWh
Battery Internal Resistance	≤10mΩ
Cycle Life	≥6000 @25°C, 80% 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)	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.