



Lead Acid Replacement Lithium Battery



Lead Acid Replacement Lithium Battery

MR-LFP12-7-LAR



SPECIFICATIONS

Model	MR-LFP12-7-LAR
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	7.2Ah
Rated Energy	92.16Wh
Cycle Life	≥2000 cycles @+0.2C/-0.2C, 80% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	14.4V
Charge Current (Rec.)	3.6A
Charge Current (Max.)	4A
Discharge	
Discharge Cut-off Voltage	10.0V
Discharge Current (Max.)	7.2A
Pulse Current	7.2A
Environment	
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Humidity	10% – 90%
General	
IP Class	IP30
Terminal	F2
Plastic Case	ABS
Dimensions (L*W*H)	151 × 65 × 94mm
Weight	Net Weight: 1.3kg (Gross Weight: 1.6kg)

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

Lead Acid Replacement Lithium Battery

MR-LFP12-9-LAR



SPECIFICATIONS

Model	MR-LFP12-9-LAR
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	9Ah
Rated Energy	115.2Wh
Cycle Life	≥2000 cycles @+0.2C/-0.2C, 80% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	14.4V
Charge Current (Rec.)	4.5A
Charge Current (Max.)	9A
Discharge	
Discharge Cut-off Voltage	10.0V
Discharge Current (Max.)	9A
Pulse Current	9A
Environment	
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Humidity	10% – 90%
General	
IP Class	IP30
Terminal	F2
Plastic Case	ABS
Dimensions (L*W*H)	151 × 94 × 95mm
Weight	Net Weight: 1.5kg (Gross Weight: 2.0kg)

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Lead Acid Replacement Lithium Battery

MR-LFP12-24-LAR



SPECIFICATIONS

Model	MR-LFP12-24-LAR
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	24Ah
Rated Energy	307.2Wh
Cycle Life	≥ 2000 cycles @+0.2C/-0.2C, 80% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	14.4V
Charge Current (Rec.)	12A
Charge Current (Max.)	12A
Discharge	
Discharge Cut-off Voltage	10.0V
Discharge Current (Max.)	24A
Pulse Current	24A
Environment	
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Humidity	10% – 90%
General	
IP Class	IP30
Terminal	M6
Plastic Case	ABS
Dimensions (L*W*H)	165 × 126 × 175mm
Weight	Net Weight: 3.1kg (Gross Weight: 3.4kg)

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

Lead Acid Replacement Lithium Battery

MR-LFP12-36-LAR



SPECIFICATIONS

Model	MR-LFP12-36-LAR
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	36Ah
Rated Energy	460.8Wh
Cycle Life	≥2000 cycles @+0.2C/-0.2C, 80% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	14.4V
Charge Current (Rec.)	18A
Charge Current (Max.)	18A
Discharge	
Discharge Cut-off Voltage	10.0V
Discharge Current (Max.)	36A
Pulse Current	36A
Environment	
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Humidity	10% – 90%
General	
IP Class	IP30
Terminal	M8
Plastic Case	ABS
Dimensions (L*W*H)	198 × 166 × 170mm
Weight	Net Weight: 4.6kg (Gross Weight: 4.9kg)

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Lead Acid Replacement Lithium Battery

MR-LFP12-50-LAR



SPECIFICATIONS

Model	MR-LFP12-50-LAR
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	50Ah
Rated Energy	640Wh
Cycle Life	≥2000 cycles @+0.2C/-0.2C, 80% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	14.4V
Charge Current (Rec.)	25A
Charge Current (Max.)	25A
Discharge	
Discharge Cut-off Voltage	10.0V
Discharge Current (Max.)	50A
Pulse Current	50A
Environment	
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Humidity	10% – 90%
General	
IP Class	IP30
Terminal	M8
Plastic Case	ABS
Dimensions (L*W*H)	198 × 166 × 170mm
Weight	Net Weight: 6.4kg (Gross Weight: 6.7kg)

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Lead Acid Replacement Lithium Battery

MR-LFP12-100-LAR



SPECIFICATIONS

Model	MR-LFP12-100-LAR (V2)
Basic Parameters	
Nominal Voltage	12.8V
Rated Capacity	102Ah
Rated Energy	1305.6Wh
Cycle Life	≥6000cycles @+0.5C/-0.5C, 70% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	3.65V
Charge Current (Rec.)	50A
Charge Current (Max.)	105A
Discharge	
Discharge Cut-off Voltage	2.5V
Discharge Current (Max.)	105A
Pulse Current	105A
Environment	
Charge Temperature	0°C to 60°C
Discharge Temperature	-15°C to 55°C
Humidity	≤95%
General	
IP Class	IP30
Terminal	M8
Plastic Case	ABS
Dimensions (L*W*H)	329 × 172 × 215mm
Weight	Net Weight: 10.0kg (Gross Weight: 10.5kg)

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Lead Acid Replacement Lithium Battery

MR-LFP12-200-LAR



SPECIFICATIONS

Model	MR-LFP12-200-LAR (V2)
Basic Parameters	
Nominal Voltage	12.8V(4S2P)
Rated Capacity	102Ah
Rated Energy	2611.2Wh
Cycle Life	≥ 6000cycles @+0.5C/-0.5C, 70% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	3.65V
Charge Current (Rec.)	100A
Charge Current (Max.)	210A
Discharge	
Discharge Cut-off Voltage	2.5V
Discharge Current (Max.)	210A
Pulse Current	210A
Environment	
Charge Temperature	0°C to 60°C
Discharge Temperature	-15°C to 55°C
Humidity	≤ 95%
General	
IP Class	IP30
Terminal	M8
Plastic Case	ABS
Dimensions (mm)	523 × 238 × 220mm
Weight (kg)	Net Weight: 20.0kg (Gross Weight: 20.5kg)

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Lead Acid Replacement Lithium Battery

MR-LFP12-300-LAR



SPECIFICATIONS

Model	MR-LFP12-300-LAR (V2)
Basic Parameters	
Nominal Voltage	12.8V(4S3P)
Rated Capacity	102Ah
Rated Energy	3916.8Wh
Cycle Life	≥6000cycles @+0.5C/-0.5C, 70% EOL
Self Discharge	1% / months
Charge	
Charge Voltage	3.65V
Charge Current (Rec.)	150A
Charge Current (Max.)	210A
Discharge	
Discharge Cut-off Voltage	2.5V
Discharge Current (Max.)	210A
Pulse Current	210A
Environment	
Charge Temperature	0°C to 60°C
Discharge Temperature	-15°C to 55°C
Humidity	≤95%
General	
IP Class	IP30
Terminal	M8
Plastic Case	ABS
Dimensions (mm)	520 × 268 × 220mm
Weight (kg)	Net Weight: 33.0kg (Gross Weight: 33.5kg)

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