

# HECKMAN

TECHNOLOGY serves MAN



## RLFP51100A



### Safety

Advanced BMS – LiFePO4 technology



### Single module capacity

5,12 kWh, battery cell Grade "A"



### Ease of installation

Modular rack 19" 3U construction



### Scalability

Possibility of connecting parallel modules up to 80 kWh



### Compatibility

Cooperation with most of low-voltage inverters



### Efficiency

High charging and discharging current



## Technical data

Producer brand	HECKMAN	HECKMAN	HECKMAN
Model	RLFP51100A/100	RLFP51100A/50	RLFP51100A/20
Nominal voltage	51 V	51 V	51 V
Cells capacity	100 Ah	100 Ah	100 Ah
Number of cells	16 S	16 S	16 S
Technology/cell type	LiFePO4	LiFePO4	LiFePO4
Battery cell grade	Klasa A	Klasa A	Klasa A
Nominal capacity	5120 Wh/5,12 kWh	5120 Wh/5,12 kWh	5120 Wh/5,12 kWh
Usable capacity	4860 Wh/4,86 kWh	4860 Wh/4,86 kWh	4860 Wh/4,86 kWh
Usable capacity	4,86 kW	2,43 kW	0,97 kW
Efficiency	95 %	95 %	95 %
Max. charge/discharge power	<= 100A (1C)	<= 50A(0,5C)	<= 20A(0,2C)
Recommended charging current	30A(0,3C)	30A(0,3C)	20A(0,2C)
Discharge overcurrent protection	105A Alarm, 110A switch-off	55A Alarm, 60A switch-off	25A Alarm, 30A switch-off
Charge overcurrent protection	100A Alarm, 110A switch-off	50A Alarm, 60A switch-off	20A Alarm, 30A switch-off
Possibility to combine modules	parallel up to 16pcs. (81,92 kWh)	parallel up to 16pcs. (81,92 kWh)	parallel up to 16pcs. (81,92 kWh)
Communication interface	CAN/RS-485	CAN/RS-485	CAN/RS-485
Charge level indicator - SoC	LED	LED	LED
Turn-off Switch	YES	YES	YES
EPO - fire protection	YES	YES	YES
Work mode indicator	LED	LED	LED
Operating mode selection	DIP switch	DIP switch	DIP switch
Dimensions W x L x H (mm)	Rack 3U - 482 x 485 x 133 mm	Rack 3U - 482 x 485 x 133 mm 49	Rack 3U - 482 x 485 x 133 mm
Weight	49 kg	kg	49 kg
Noise level	0 dB	0 dB	0 dB
Working temperature	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C
Charging temperature	0°C - 55°C	0°C - 55°C	0°C - 55°C
Humidity	≤90 % (40°C ± 2°C)	≤90 % (40°C ± 2°C)	≤90 % (40°C ± 2°C)
IP protection level	IP21	IP21	IP21
Warranty	10 years	10 years	10 years