

HECKMAN

TECHNOLOGY serves MAN



RLFP51100A

European product
EAN Code 590



Safety

Advanced BMS - LiFePO4 technology



Single module capacity

5,12kWh, battery cell Grade "A"



Ease of installation

Modular rack 19" 3U construction



Scalability

Possibility of connecting parallel modules up to 80kWh



Compatibility

Cooperation with most of low-voltage inverters



Efficiency

High charging and discharging current



Technical data

RLFP51100A

Producer brand	Heckman	Heckman	Heckman
Product 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	LFP Prismatic	LFP Prismatic	LFP Prismatic
Battery cell grade	Grade A	Grade A	Grade 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
Nominal charge/discharge power	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
TurnOff 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	Rack 3U - 482 x 485 x 133 mm
Weight	49 kg	49 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)
Warranty	10 years	10 years	10 years