

HECKMAN

HECKMAN
MLFP51320A

Low-Voltage Energy Storage HECKMAN MLFP51320A



Safety

Advanced BMS - LiFePO₄ technology



Scalability

Possibility of connecting parallel modules up to 240kWh



Single module capacity

15kWh, prismatic battery cell Grade "A"



Compatibility

Compatible with most low-voltage inverters available on the market



Ease of installation

Ground mounting



Performance

High charge and discharge current



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Technical data

Producer brand	HECKMAN	HECKMAN	HECKMAN
Model	MLFP1320A/200	MLFP1320A/100	MLFP1320A/40
Nominal voltage	51V	51V	51V
Charging voltage	57.6V-58.4V	57.6V-58.4V	57.6V-58.4V
Technology/cell type	LiFePO ₄	LiFePO ₄	LiFePO ₄
Battery cell grade	Grade A	Grade A	Grade A
Nominal capacity	15000Wh/15kWh	15000Wh/15kWh	15000Wh/15kWh
Usable capacity	14850Wh/14,58kWh	14250 Wh/14,58kWh	14250 Wh/14,58kWh
Nominal charge/discharge power	9,72kW	4,86kW	1,94 kW
Efficiency	95%	95%	95%
Max. charge/discharge power	<= 200A	<= 100A	<= 40A
Recommended charging current	90A	90A	40A
Discharge overcurrent protection	210A alarm, 220A switch-off	110A alarm, 120A switch-off	50A alarm, 60A switch-off
Charge overcurrent protection	200A alarm, 220A switch-off	100A alarm, 120A switch-off	40A alarm, 60A switch-off
Possibility to combine modules	równolegle do 16pcs. (240kWh)	równolegle do 16pcs. (240kWh)	równolegle do 16pcs. (240kWh)
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
Operation signaling	LED	LED	LED
Operating mode selection	DIP switch	DIP switch	DIP switch
Dimensions W x L x H (mm)	413 x 233 x 825 mm	413 x 233 x 825 mm	413 x 233 x 825 mm
Weight	-125kg	-125kg	-125kg
Noise level	0 dB	0 dB	0 dB
Operating 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
Humidit	≤90% (40°C±2°C)	≤90% (40°C±2°C)	≤90% (40°C±2°C)
Lifespan in cycles	>6000(0.2C, -25°C, 80%DOD)	>6000(0.2C, -25°C, 80%DOD)	>6000(0.2C, -25°C, 80%DOD)
Accessories	Communication and power cabling (50mm ²)	Communication and power cabling (50mm ²)	Communication and power cabling (50mm ²)
Warranty*	10 years	10 years	10 years

Distributor

