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MLFP51320A



Safety

Advanced BMS – LiFePO4 technology



Single Module Capacity

15 kWh, Grade "A" cells



Ease of Installation

Ground-mounted installation



Scalability

Parallel connection of modules up to 240 kWh



Compatibility

Compatible with most low-voltage inverters



Performance

High charge and discharge current



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Technical Data

Brand	Heckman	Heckman	Heckman
Model	MLFP51320Af200	MLFP51320A/100	MLFP51320A/100
Nominal Voltage	51 V	51 V	51 V
Cell Capacity	314 Ah	314 Ah	314 Ah
Number of Cells	165	165	165
Cell Technology	LiFePO4	LiFePO4	LiFePO4
Cell Grade	Klasa A	Klasa A	Klasa A
Nominal Capacity	15000 Wh/15 kWh	15000 Wh/15 kWh	15000 Wh/15 kWh
Usable Capacity	14250 Wh/14,25 kWh	14250 Wh/14,25 kWh	14250 Wh/14,25 kWh
Nominal Charge/Discharge Power	9,72 kW	4,86 kW	1,94 kW
Efficiency	95%	95%	95%
Max. Charge/Discharge Current	<= 200A(1C)	<= 100A(0,3C)	<= 40A(0,3C)
Recommended Charging Current	60A(0,3C)	60A(0,3C)	40A(0,3C)
Discharge Overcurrent Protection	210A alarm, 220A shutdown	110A alarm, 120A shutdown	110A alarm, 120A shutdown
Charge Overcurrent Protection	200A alarm, 220A shutdown	100A alarm, 120A shutdown	100A alarm, 120A shutdown
Module Expansion	Parallel connection up to 16 units (240 kWh)	Parallel connection up to 16 units (240 kWh)	Parallel connection up to 16 units (240 kWh)
Communication	CAN/RS-485	CAN/RS-485	CAN/RS-485
SoC Indicator	LED	LED	LED
Main Switch	YES	YES	YES
EPO - Fire Protection	YES	YES	YES
Operating Indicator	LED	LED	LED
Operating Mode Selection	DIP switch	DIP switch	DIP switch
Dimensions (W x D x H)	450 x 229 x 830 mm	450 x 229 x 830 mm	450 x 229 x 830 mm
Weight	125 kg	125 kg	125 kg
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
Relative Humidity	≤90% (40°C ± 2°C)	≤90% (40°C ± 2°C)	≤90% (40°C ± 2°C)
IP Rating	IP21	IP21	IP21
Warranty	10 years	10 years	10 years

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