

HECKMAN

TECHNOLOGY serves MAN



RHFP
RHBMS
RHBMS MAX
SBMS

HECKMAN
INDUSTRIAL



Safety

Advanced BMS - LiFePO4 technology



Capacity of set 20 - 65 kWh

Single module 5 kWh, cells Grade „A”



Tightness standard IP21



Scalability

Possibility to connect parallel sets up to 1040kWh to one inverter*



Compatibility

Works with most high-voltage inverters



Efficiency

High discharging and charging current

Technical data

RHFP/RHBMS/RHBMS MAX

Configuration examples	20kWh	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh	65kWh
Modules set	1xBMS+4xBAT	1xBMS+5xBAT	1xBMS+6xBAT	1xBMS+7xBAT	1xBMS+8xBAT	1xBMS+9xBAT	1xBMS+10xBAT	1xBMS+11xBAT	1xBMS+12xBAT	1xBMS+13xBAT
Nominal voltage	204,8 V	256 V	307,2 V	358,4 V	409,6V	460,8 V	512 V	563,2 V	614,4 V	665,6 V
Nominal capacity	20,5 kWh	25,6 kWh	30,7 kWh	35,9 kWh	40,9 kWh	46,1 kWh	51,2 kWh	56,3 kWh	61,4 kWh	66,6 kWh
RHBMS	✓	✓	✓	—	—	—	—	—	—	—
RHBMS MAX	—	—	✓	✓	✓	✓	✓	✓	✓	✓
Max charging/ discharging current	100A/100A									
Durability	6000 charging cycles (25°C, 0,5C, 0,5C, 90%DOD, EOL70%)									
Possibility of combining modules	parallel from 4 to 13 pcs./1xBMS									
Communication	CAN/RS485									
Tightness class	IP21									
Cooling	Passive									
Short circuit protection	Yes									
Discharge overcurrent protection	Yes									
Charge overcurrent protection	Yes									
Protection against deep discharge	Yes									
Temperature protection	Yes									
Parameters of single module										
Model	RHFP									
Number of cells	16 S									
Capacity of cell	100 Ah									
Nominal capacity	5,12 kWh									
Usable capacity	4,86 kWh									
Nominal voltage	51,2 V									
Recommended charging current	30 A (0,3 C)									
Nominal power	4,86 kW									
Efficiency	0,95									
Technology/type of cell	LFP Prismatic									
Cell class	Class A									
Noise level	0 dB									
Operating temperature	-15°C - 60°C									
Charging temperature	0°C - 55°C									
Dimensions	443x410x135mm									
Weight	45kg									
Relative humidity	≤90%									
Warranty	10 years									

Technical data

RHFP/RHBMS/RHBMS MAX 50A

Configuration examples	20kWh	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh	65kWh
Modules set	1xBMS+4xBAT	1xBMS+5xBAT	1xBMS+6xBAT	1xBMS+7xBAT	1xBMS+8xBAT	1xBMS+9xBAT	1xBMS+10xBAT	1xBMS+11xBAT	1xBMS+12xBAT	1xBMS+13xBAT
Nominal voltage	204,8 V	256 V	307,2 V	358,4 V	409,6V	460,8 V	512 V	563,2 V	614,4 V	665,6 V
Nominal capacity	20,5 kWh	25,6 kWh	30,7 kWh	35,9 kWh	40,9 kWh	46,1 kWh	51,2 kWh	56,3 kWh	61,4 kWh	66,6 kWh
RHBMS	✓	✓	✓	—	—	—	—	—	—	—
RHBMS MAX	—	—	✓	✓	✓	✓	✓	✓	✓	✓
Max charging/ discharging current	50A/50A									
Durability	6000 charging cycles (25°C, 0,5C/0,5C, 90%DOD, EOL70%)									
Possibility of combining modules	parallel from 4 to 13 pcs./1xBMS									
Communication	CAN/RS485									
Tightness class	IP21									
Cooling	Passive									
Short circuit protection	Yes									
Discharge overcurrent protection	Yes									
Charge overcurrent protection	Yes									
Protection against deep discharge	Yes									
Temperature protection	Yes									
Parameters of single module										
Model	RHFP									
Number of cells	16 S									
Capacity of cell	100 Ah									
Nominal capacity	5,12 kWh									
Usable capacity	2,43 kW									
Nominal voltage	51,2 V									
Recommended charging current	30 A (0,3 C)									
Nominal power	4,86 kW									
Efficiency	0,95									
Technology/type of cell	LFP Prismatic									
Cell class	Class A									
Noise level	0 dB									
Operating temperature	-15°C - 60°C									
Charging temperature	0°C - 55°C									
Dimensions	443x410x135mm									
Weight	45kg									
Relative humidity	≤90%									
Warranty	10 years									

Technical data

RHFP/RHBMS/RHBMS MAX 20A

Configuration examples	20kWh	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh	65kWh
Modules set	1xBMS+4xBAT	1xBMS+5xBAT	1xBMS+6xBAT	1xBMS+7xBAT	1xBMS+8xBAT	1xBMS+9xBAT	1xBMS+10xBAT	1xBMS+11xBAT	1xBMS+12xBAT	1xBMS+13xBAT
Nominal voltage	204,8 V	256 V	307,2 V	358,4 V	409,6V	460,8 V	512 V	563,2 V	614,4 V	665,6 V
Nominal capacity	20,5 kWh	25,6 kWh	30,7 kWh	35,9 kWh	40,9 kWh	46,1 kWh	51,2 kWh	56,3 kWh	61,4 kWh	66,6 kWh
RHBMS	✓	✓	✓	—	—	—	—	—	—	—
RHBMS MAX	—	—	✓	✓	✓	✓	✓	✓	✓	✓
Max charging/ discharging current	20A/20A									
Durability	6000 charging cycles (25°C, 0,5C/0,5C, 90%DOD, EOL70%)									
Possibility of combining modules	parallel from 4 to 13 pcs./1xBMS									
Communication	CAN/RS485									
Tightness class	IP21									
Cooling	Passive									
Short circuit protection	Yes									
Discharge overcurrent protection	Yes									
Charge overcurrent protection	Yes									
Protection against deep discharge	Yes									
Temperature protection	Yes									
Parameters of single module										
Model	RHFP									
Number of cells	16 S									
Capacity of cell	100 Ah									
Nominal capacity	5,12 kWh									
Usable capacity	4,86 kWh									
Nominal voltage	51,2 V									
Recommended charging current	20 A (0,2 C)									
Nominal power	0,97 kW									
Efficiency	0,95									
Technology/type of cell	LFP Prismatic									
Cell class	Class A									
Noise level	0 dB									
Operating temperature	-15°C - 60°C									
Charging temperature	0°C - 55°C									
Dimensions	443x410x135mm									
Weight	45kg									
Relative humidity	≤90%									
Warranty	10 years									