

1KOM MA5°

1KOMMA5° BATTERY



#newenergy storage

- × Developed for Heartbeat AI
- × Optimized for maximum cycle-life



High-performance battery

- × Charging /discharging power up to 20.16 kW
- × Flexibly scalable



Safety

- × 15 years warranty at 11,000 charging cycles
- × Prismatic lithium-iron phosphate-cells



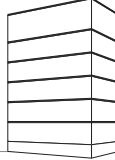
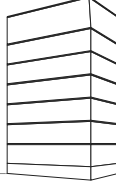
COMPATIBILITY WITH¹



¹ See compatibility list for the respective country of installation.

BATTERY

MODEL

Battery Model	1K5-BAT-5200-L2	1K5-BAT-5200-L3	1K5-BAT-5200-L4	1K5-BAT-5200-L5	1K5-BAT-5200-L6	1K5-BAT-5200-L7
						

ELECTRICAL CHARACTERISTICS

Battery Type	LiFePO ₄ Prismatic Cell					
Battery Module	1x 1K5-BAT-5200-M 1x 1K5-BAT-5200-S	1x 1K5-BAT-5200-M 2x 1K5-BAT-5200-S	1x 1K5-BAT-5200-M 3x 1K5-BAT-5200-S	1x 1K5-BAT-5200-M 4x 1K5-BAT-5200-S	1x 1K5-BAT-5200-M 5x 1K5-BAT-5200-S	1x 1K5-BAT-5200-M 6x 1K5-BAT-5200-S
Useful Capacity [kWh]	10.4	15.6	20.8	26	31.2	36.4
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	104.4 ~ 131.4	156.6 ~ 197.1	208.8 ~ 262.8	261.0 ~ 328.5	313.2 ~ 394.2	365.4 ~ 459.9
Max. Charge/Discharge Current [A]	50					
Peak Discharge Current [A]	65 @60sec					
Battery Pack Round-Trip Efficiency [%]	> 95					
Communication	CAN					
Display	CS: LED×1, CM: LED×6					
Scalability	Max. 7 Modules in Series					

OPERATING CONDITIONS

Installation Location	Outdoor/ Indoor (Stand)
Operating Temperature [°C] ²	Charge: 0 ~ 55 Discharge: -10 ~ 55
Storage Temperature [°C]	-20 ~ 55
Cooling method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensing)
Altitude [m]	Max. 3,000
Warranty ³	Up to 15 years @11,000 charging cycles

MECHANICAL CHARACTERISTICS

Dimensions (W×H×D) [mm]	660×420×360	660×575×360	660×730×360	660×885×360	660×1,040×360	660×1,195×360
Weight [kg]	111.2	161.2	211.2	261.2	311.2	361.2

CERTIFICATES

Safety	IEC 62619
EMC	IEC 61000-6-1/2/3/4
Transportation	UN38.3
Ingress Protection	IP65