

1KOM MA5°

1KOMMA5° BATTERY

- **#newenergy storage**
 - × Developed for Heartbeat AI
 - × For the energy world of tomorrow
- **High-performance battery**
 - × Charging /discharging power up to 20.16 kW
 - × Prismatic LFP cells
 - × Flexibly scalable



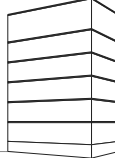
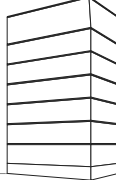
COMPATIBILITY WITH¹



¹ See compatibility list for the respective country of installation.

BATTERY

MODEL

Battery Model	1K5-BAT-4300-L2	1K5-BAT-4300-L3	1K5-BAT-4300-L4	1K5-BAT-4300-L5	1K5-BAT-4300-L6	1K5-BAT-4300-L7
						

ELECTRICAL CHARACTERISTICS

Battery Type	LiFePO ₄ Prismatic Cell					
Battery Module	1×1K5-BAT-4300-M 1×1K5-BAT-4300-S	1×1K5-BAT-4300-M 2×1K5-BAT-4300-S	1×1K5-BAT-4300-M 3×1K5-BAT-4300-S	1×1K5-BAT-4300-M 4×1K5-BAT-4300-S	1×1K5-BAT-4300-M 5×1K5-BAT-4300-S	1×1K5-BAT-4300-M 6×1K5-BAT-4300-S
Nominal Capacity [Wh]	7,776	11,664	15,552	19,440	23,328	27,216
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	97.2 ~ 131.4	145.8 ~ 197.1	194.4 ~ 262.8	243 ~ 328.5	291.6 ~ 394.2	340.2 ~ 459.9
Recommend Discharge Current [A]	37.5					
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. 2,000
Warranty ³	12 years

MECHANICAL CHARACTERISTICS

Dimensions (W×H×D) [mm]	570×376×380	570×514×380	570×652×380	570×790×380	570×928×380	570×1,066×380
Weight [kg]	78.5	115.5	152.5	189.5	226.5	263.5

CERTIFICATES

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

2 Charge derating will occur between 0°C and +15°C. 3 See warranty terms and conditions.

