

1KOM MA5°

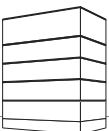
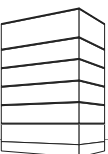
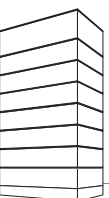
1KOMMA5° BATTERY

- **#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



BATTERY

MODEL

Battery Model	1K5-BAT-4660-L2	1K5-BAT-4660-L3	1K5-BAT-4660-L4	1K5-BAT-4660-L5	1K5-BAT-4660-L6	1K5-BAT-4660-L7	1K5-BAT-4660-L8	1K5-BAT-4660-L9
								

ELECTRICAL CHARACTERISTICS

Battery Type	LiFePO ₄ Prismatic Cell							
Battery Module 1K5-BAT-	1× 4660-M 1× 4660-S	1× 4660-M 2× 4660-S	1× 4660-M 3× 4660-S	1× 4660-M 4× 4660-S	1× 4660-M 5× 4660-S	1× 4660-M 6× 4660-S	1× 4660-M 7× 4660-S	1× 4660-M 8× 4660-S
Useful Capacity [kWh]	9.32	13.98	18.64	23.30	27.96	32.61	37.27	41.93
Nominal Voltage [V]	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2
Operating Voltage [V]	81.2 ~ 103.0	121.8 ~ 154.5	162.4 ~ 206.0	203.0 ~ 257.6	243.6 ~ 309.1	284.2 ~ 360.6	324.8 ~ 412.2	365.4 ~ 463.7
Normal capacity [Ah]	104							
Recommend Charge/ Discharge Current [A]	30							
Max.Charge/Discharge Current [A] ¹	50							
Peak Discharge Current (60S)[A]	65							
Battery Pack Round-Trip Efficiency[%] ²	> 95							
Depth Of Discharge [%]	90							
Communication	CAN							
Display	EQ4800-S: LED×1, EQ4800-M: LED×6							
Scalability	Max. 9 Modules in Series							

OPERATING CONDITIONS

Installation Location	Outdoor/ Indoor (Stand)
Operating Temperature [°C]	Charge: 0 ~ 55 Discharge: -10 ~ 55
Storage Temperature [°C]	-10 ~ 35
Cooling method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensing)
Altitude [m]	Max. 2,000
Standard Warranty [year] ²	12 years

MECHANICAL CHARACTERISTICS

Dimensions (W×H×D)[mm]	570×386×380	570×524×380	570×662×380	570×800×380	570×938×380	570×1,076×380	570×1214×380	570×1,352×380
Weight [kg]	83.5	122.5	161.5	200.5	239.5	278.5	317.5	356.5

CERTIFICATES

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

¹ The current is affected by temperature ,cell voltage and SOC. ² Refer to Warranty Terms and Conditions.