



SPECIFICATIONS

Model No.

KAGE-SB-48S

BATTERY				
Battery Type	LiFePO4			
Nominal Voltage	51.2			
Nominal Capacity	400Ah	600Ah	800Ah	1000Ah
Nominal Energy	20KWh	30KWh	40KWh	50KWh
Weight	190Kg	262Kg	334Kg	406Kg
Dimension L*D*H(mm)	630*660*600	800*660*600	980*660*600	1150*660*600
Cycle life	≥6000 times(80% DOD)			
Charge Voltage	58.4V			
Discharge C ut-of Voltage	40V			
Standard C harge C urrent	20A			
Max. C harge C urrent	100A			
Standard Discharge C urrent	20A			
Max. Discharge C urrent	100A			
INVERTER OUTPUT				
Rated Output Power	10000W			
Max.Peak Power	20,000W			
Rated Output Voltage	230V			
Rated AC Frequency	50Hz/60Hz			
PV INPUT				
Num. of MPPT Trackers	2			
Max.PV Array Power	5,500W+5500W			
Max.Input Current	22A+22A			
Max.Voltage of Open Circuit	500Vdc+500Vdc			
MPPT Voltage Range	125~425Vdc			
Max.MPPT Charging Current	200A			
Max.Mains/Generator Charging Current	120A			
Max.Hybrid Charging Current	200A			
EFFICIENCY				
MPPT Tracking Efficiency	99.90%			
Max. Battery Inverter Efficiency	92.00%			
GENERAL				
Protection Degree	IP20			
Operating Temperature Range	-10℃~55℃			

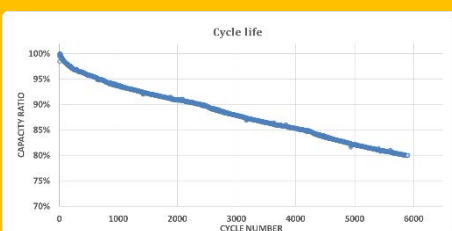


CHARACTERISTICS

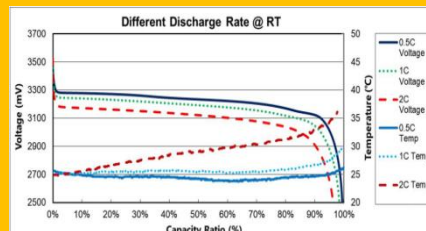
1. Modular design and system integration for the energy storage products, while supporting the input of various power consumption ways such as PV/AC/DC.
2. It is easy to install, and could be connected in parallel with multiple modules, which is convenient for capacity expansion according to the requirements of users in different periods.
3. The built-in intelligent BMS management module performs real-time monitoring and management of a single battery cell in the product, effectively improving the safety and service life of the product.
4. The product is compatible with the communication connection of multiple brands of on-grid and off-grid inverters, providing users with a wider range of supporting options.
5. The design of our products strictly follows the principles of ergonomics, while ensuring good appearance and applicability, it can effectively avoid scratches to users.
6. Products with a capacity above 10KWh adopt a unique shunt circuit design, which not only further improves the safety, but also further increases the service life of the product.
7. All products have undergone strict reliability, aging, salt spray, vibration, and other testing procedures before leaving the factory to ensure zero defect shipments.
8. According to the user's environment in different regions, the product can be customized flexibly. Such as high temperature, low temperature, humidity, and other special environments.
9. For the four core components of the product: battery cells, BMS, inverter modules, and photovoltaic modules, we are all self-sufficient. In terms of cost of core components, 10. There are 6 domestic production bases, 2 overseas production bases, and 2 overseas service companies. There are first-level service channels in more than 60 overseas countries and regions. When necessary, door-to-door service can be achieved within 48 hours around the world.
11. All products are provided with product liability insurance underwritten by China Life Insurance Group, so that users can buy and use with peace of mind.

Electrical performance of product

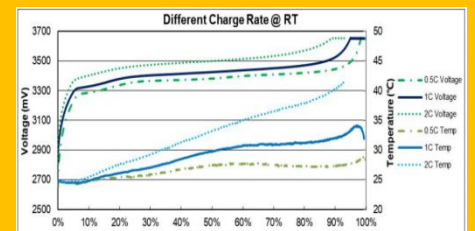
Curve of cycle life



Curve of different discharge rate



Curve of different charge rate



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