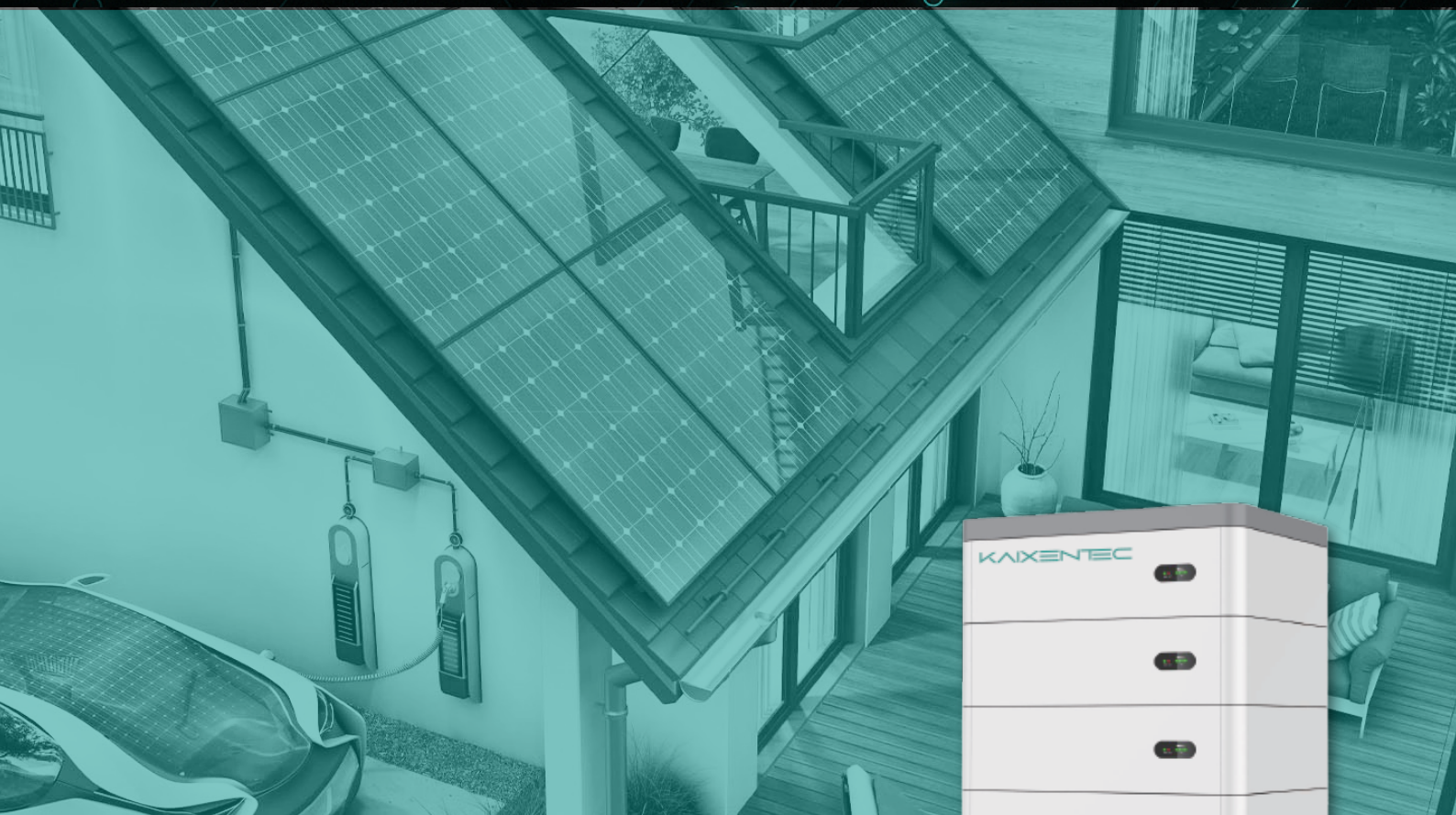


VIKING SERIES

Residential Energy Storage – Smart. Scalable. Resilient.

51.2V-200Ah
51.2V-300Ah
51.2V-400Ah



Modular and Space-Saving Design

- Compact module format with stackable and rack-mounted installation
- Tool-free setup for easy deployment in residential spaces
- Supports 2 to 4 battery modules per cluster, ideal for small to mid-size systems

Flexible Scalability & Application Versatility

- Expandable up to 4 systems in parallel for increased capacity
- Designed for self-consumption, backup, and off-grid use
- Low-voltage architecture optimized for residential applications

Smart Monitoring & Communication

- Real-time control via RS485, CAN, and optional Wi-Fi
- Remote diagnostics and firmware updates supported via T-smart cloud platform
- Data-rich monitoring ensures system reliability and maintainability

Reliable Safety & Battery Management

- High-safety LiFePO₄ chemistry with self-developed BMS
- Integrated protections: pre-charge, balancing, thermal and voltage safety
- Certified to UN38.3, CE, IEC62619, UL1973

Viking Series Technical Parameters

Model	51.2 V - 200 Ah	51.2 V - 300 Ah	51.2 V - 400 Ah
Number of battery modules	2	3	4
Nominal voltage	51.2 V	51.2 V	51.2 V
Nominal capacity	200 Ah	300 Ah	400 Ah
Nominal energy@0.2C	10.24 kWh	15.36 kWh	20.48 kWh
Charge voltage	56 V		
Float voltage	54 V		
Operation voltage range	48 V ~ 56 V		
Recommend charging/discharging current	100 A	150 A	200 A
Max. continuous charge current	140 A	210 A	280 A
Max. continuous discharge current	200 A	300 A	400 A
Communication	RS485 / CAN, WIFI		
Rating	IP20		
Cycle life	≥6000 Cycles @25°C @70%EOL @0.5C , 90% DOD		
Weight	≈115 kg (253.5 lbs)	≈165 kg (363.7 lbs)	≈215 kg (473.9 lbs)
Dimension(W*D*H)	690*442*405 mm (27.1*17.4*15.9 inch)	690*442*555 mm (27.1*17.4*21.8 inch)	690*442*705 mm (27.1*17.4*27.7 inch)
Operating temperature range	Charge 0~50°C (32~122°F), Discharge -10~50°C (14~122°F)		
Storage temperature	-10~45°C (14~113°F)		
Relative humidity	5%~90%, No condensation		
Installation	Stack mounted		
Certification	UN38.3/CE/IEC62619/UL1973		

* The actual product may differ slightly from the pictures.

* The specifications are subject to change without prior notice.