



HAiKAI

AES - 051100

Energy Storage System

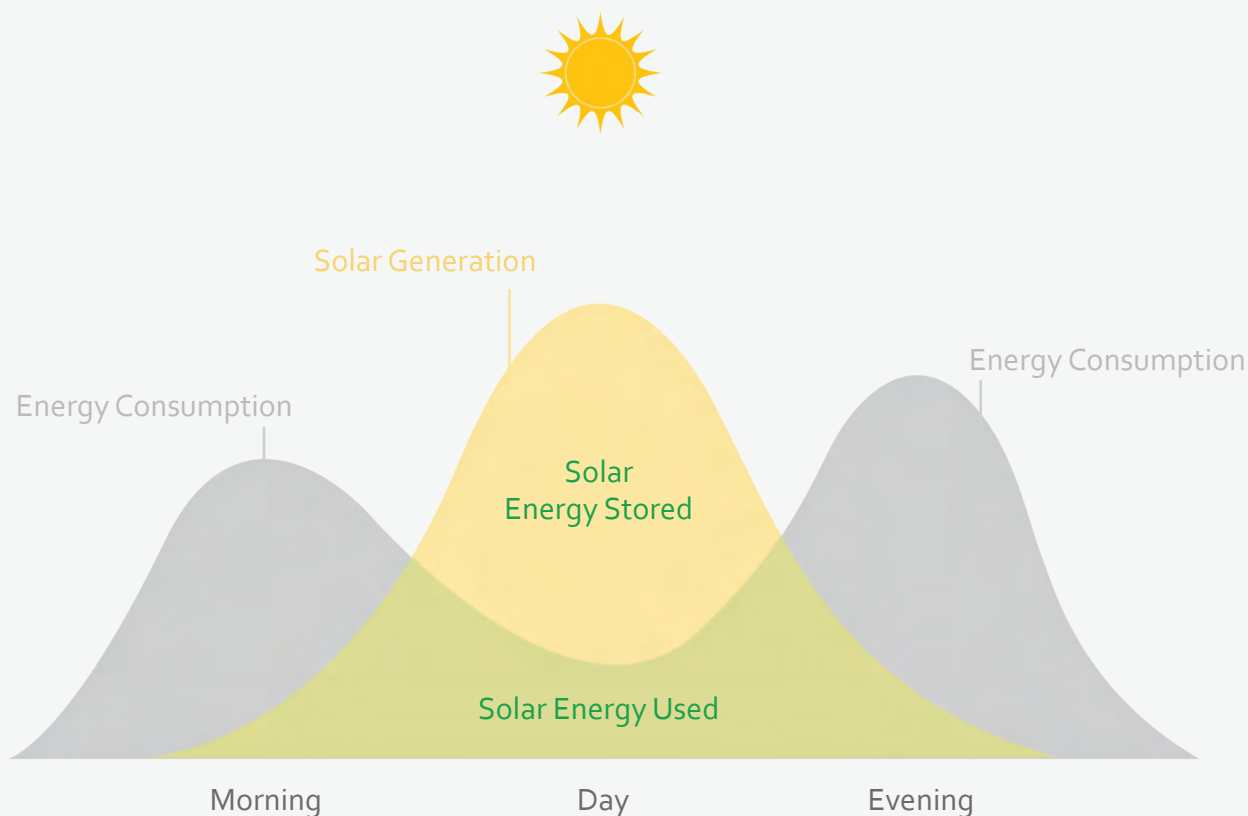
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Simple Energy Storage Solution

The HAIKAI AES - 051100 stores surplus energy from solar and the grid for when you need it most, while saving your electricity bill in the process.

It is suitable for all kinds of application: Residential, Workplaces, Data centers, and more.





Save more on your electricity bill

The AES - 051100 allows you to fully utilize the energy generated from your PV system and automatically carries out peak shaving. Moreover, it can help prevent surging demand charges, helping you to cut back significantly on your electricity bill.

Use every drop of energy from your solar panels

The majority of energy generated from solar panels comes during mid-day. However, energy usage usually peaks in the morning and the evening. As a result, only 30% of the energy generated is used on average.

The AES - 051100 helps you store that solar energy and allows you to use it whenever instead of letting it go to waste.

Keep your appliances on 24/7

The AES - 051100 prepares you for accidents and natural disasters that may cause a power outage. It works splendidly as a back-up power source to keep your important appliances running.

* Back up capability depends on the PCS chosen.

Appearance - AES - 051100

The AES - 051100 energy storage has a simple and effective design to fit into your home or workplace. The modular design of the battery allows the battery capacity to be easily customized according to your need by simply stacking and choosing between series or parallel connection ways.



Module Size:

W: 440 mm

D: 440 mm

H: 131 mm

Module Weight:

44 kg

Available set ups:

Rack, Frame, Cabinet



Flexible & Stackable

- Modular design easily expandable
- Connect as series or parallel
- Series - 12 modules per tower. Max. 8 towers per system
- Parallel - 4 modules per tower, Max. 2 towers per system



AES - 051100

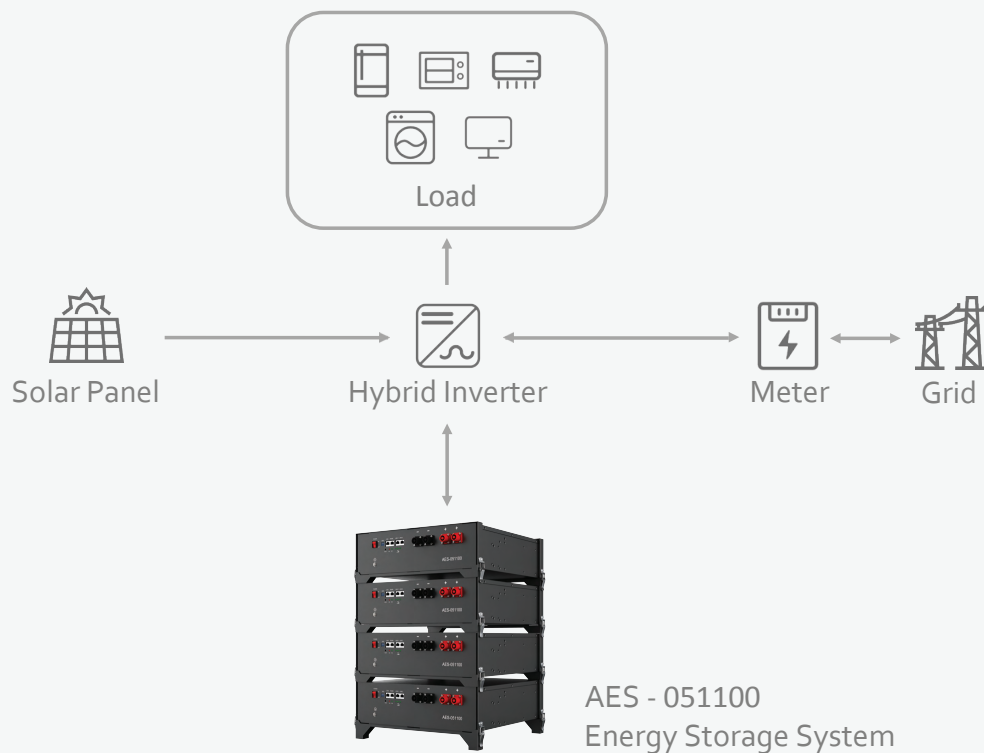
Technical Specifications

Model:	HAIKAI AES - 051100
Nominal Voltage:	51.2 V
Nominal Capacity:	100 Ah (25±2 °C, 0.5 C discharge, new cell)
Internal Resistance:	≤45 mΩ (At 1 KHz after standard Charging)
Charging Voltage:	56-57 V
Discharge End Off Voltage:	43.2 V
Standard Continuous Charging Current	20 A (0.2 C)
Max. Continuous Charging Current	50 A (0.5 C)
Standard Continuous Discharge Current:	50 A (0.5 C)
Max. Continuous Discharge Current:	100 A (1 C)
Operating Temperature:	0-60 °C (Discharging), -20-50 °C (Charging)
Cycle Life:	6000 Cycles (80% DoD)
Dimensions (WxDxH):	440 mm, 440 mm, 131 mm
Weight:	44 kg
BMS Monitor:	Pack Voltage, Single Cell Voltage, Charging Current, Discharging Current, Temperature, Working Mode, SOC, Alarm Information
Certificate:	IEC62619, UL1642, CE, UN38.3

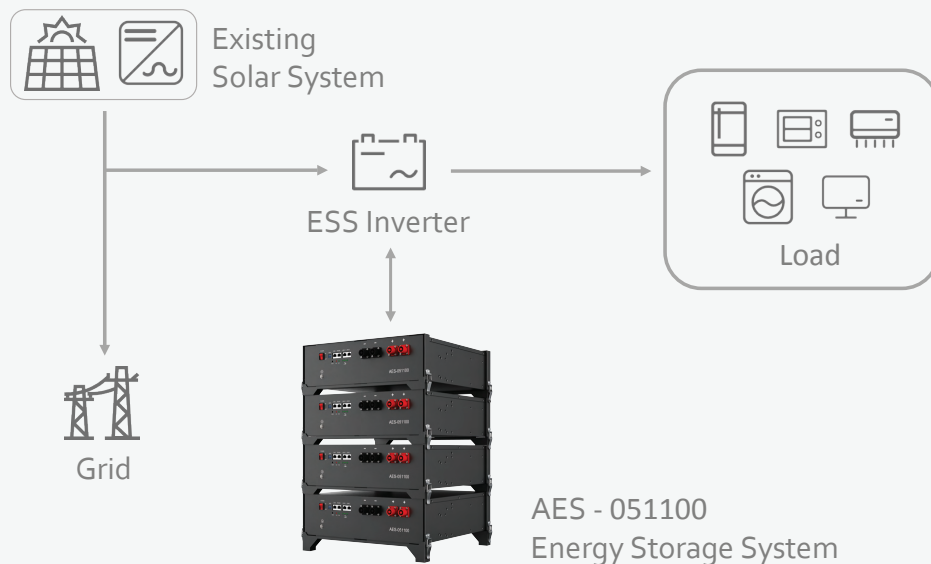


System Layouts

On Grid:



Retrofit Existing Solar System:



Ready to integrate the
AES - 051100 ?

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