



HAiKAI

Harmony

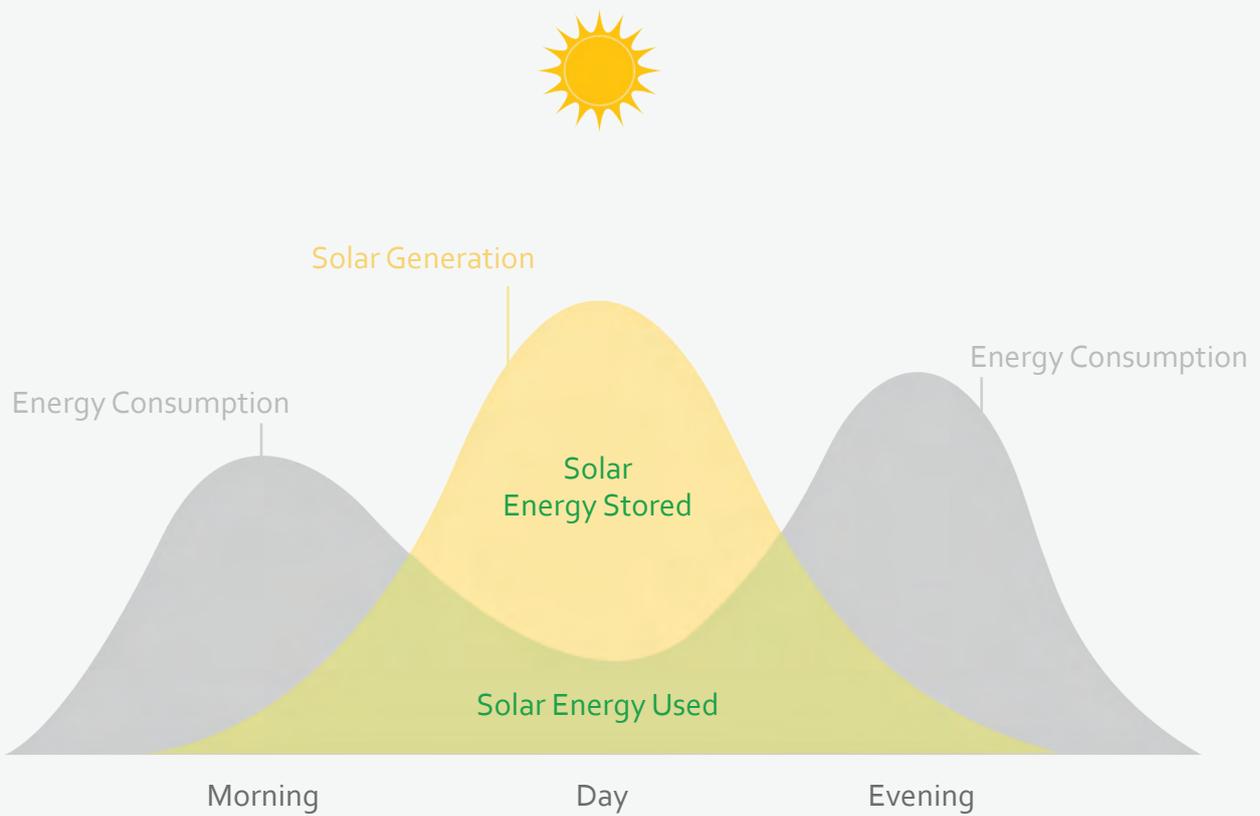
Residential Energy Storage

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Harmonic Living

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





Save more on your electricity bill

HAIKAI Harmony 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, for most homes, energy usage peaks in the morning and the evening. As a result, only 30% of the energy generated is used on average.

HAIKAI Harmony helps you store that solar energy and allows you to use it whenever instead of letting it go to waste.

Keep your home light up 24/7

HAIKAI Harmony prepares you for accidents and natural disasters that may cause a power outage. Keeping important appliances running can make sure you and your family are safe even during the most extreme circumstances.

* Back up capability depends on the PCS chosen.

Appearance - HAIKAI Harmony

The HAIKAI Harmony residential energy storage has a simple and elegant design to fit into any home. The status of the battery is clearly shown on the LED screen at the front of the battery. The modular design of the battery allows the battery capacity to be easily customized according to the need of your home.



Weight: 45 kg (100 Ah)
115 kg (280 Ah)



Sleek.
Compact.
Simple.

- Modular design easily expandable up to 8 modules
- Seamless connection between modules
- LCD screen
- Fire-proof casing



HAIKAI Harmony

Technical Specifications

Models:	100 Ah	280 Ah
Battery Capacity:	5.12 kWh	14.34 kWh
Usable Capacity:	4.60 kWh	12.90 kWh
Depth of Discharge:	90%	
Rated Voltage:	51.20 V	
Operating Voltage Range:	48 V - 57 V (90% DoD)	
Internal Resistance:	≤ 30 mΩ (100 Ah)	≤ 15 mΩ (280 Ah)
Cycle Life:	6000 Cycles (80% DoD)	
Warranty:	10Years Product Warranty	
Protection Level:	IP65	

Operating Mode

Max. Charging:	50 A (0.5 C)
Max. Discharge:	100 A (1 C)
Max. Short Circuit:	200 A
Working Temp.:	- 10 °C - 50 °C
Humidity:	≤ 90 % ROH, No Condensation

Battery Management System

Module Connection:	1 - 8 Parallel	
Capacity:	5.12 - 40.96 kWh Increments of 5.12 kWh	14.34 - 114.70 kWh Increments of 14.34 kWh
Usable Capacity:	4.61 - 36.86 kWh Increments of 4.61 kWh	12.90 - 103.20 kWh Increments of 12.90 kWh
Energy Consumption:	< 2 W (Work mode) , < 50 mW (Sleep mode)	
Monitoring Parameters:	System voltage, Cell voltage and temperature, Current, PCBA temperature	
Comm. Interface:	Compatible with CAN and RS-485	

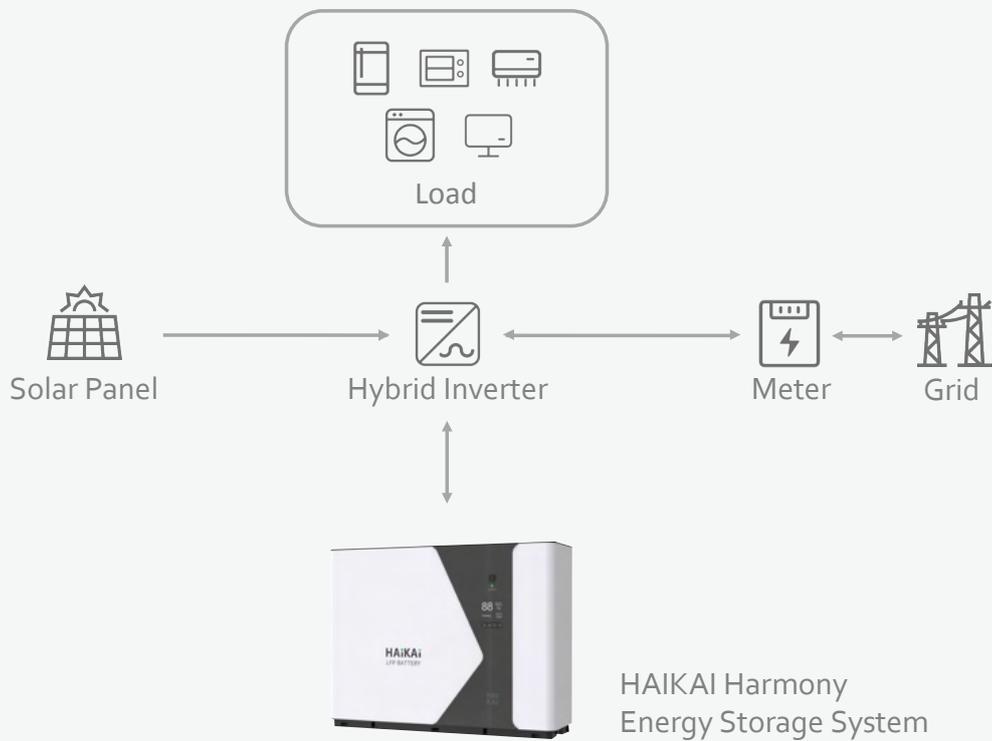
Certifications

Battery:	UL1642, IEC62619, IEC62133, UN38.3
System:	CE, UN38.3

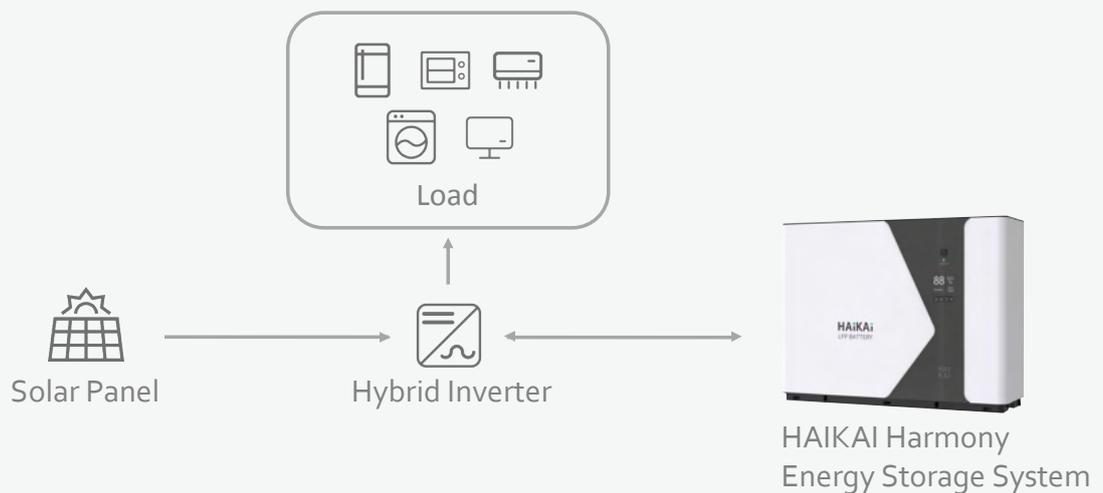


System Layouts

On Grid:



Off Grid / Emergency Backup:



Ready to add Harmony to your home?

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