

AURORA

Smart Balcony Battery System

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Website



LinkedIn

HE2-1.5
HE2-3.0



Suitable For



Balconies



Gardens



FEATURES

Flexible Power Generation

Maximizing the utilization of PV during the day, while meeting the demand for self-use electricity, multiple batteries can be charged for use in household appliances at night

Strong Compatibility

Compatible with all micro inverters in the market

Super Safe Design

Equipped with automatic fire extinguishing device

Easy Installation

Plug & play connection, no professional installation required, saving on installation costs

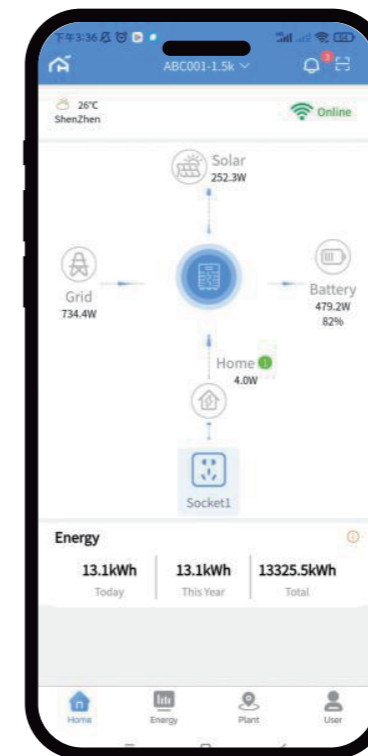
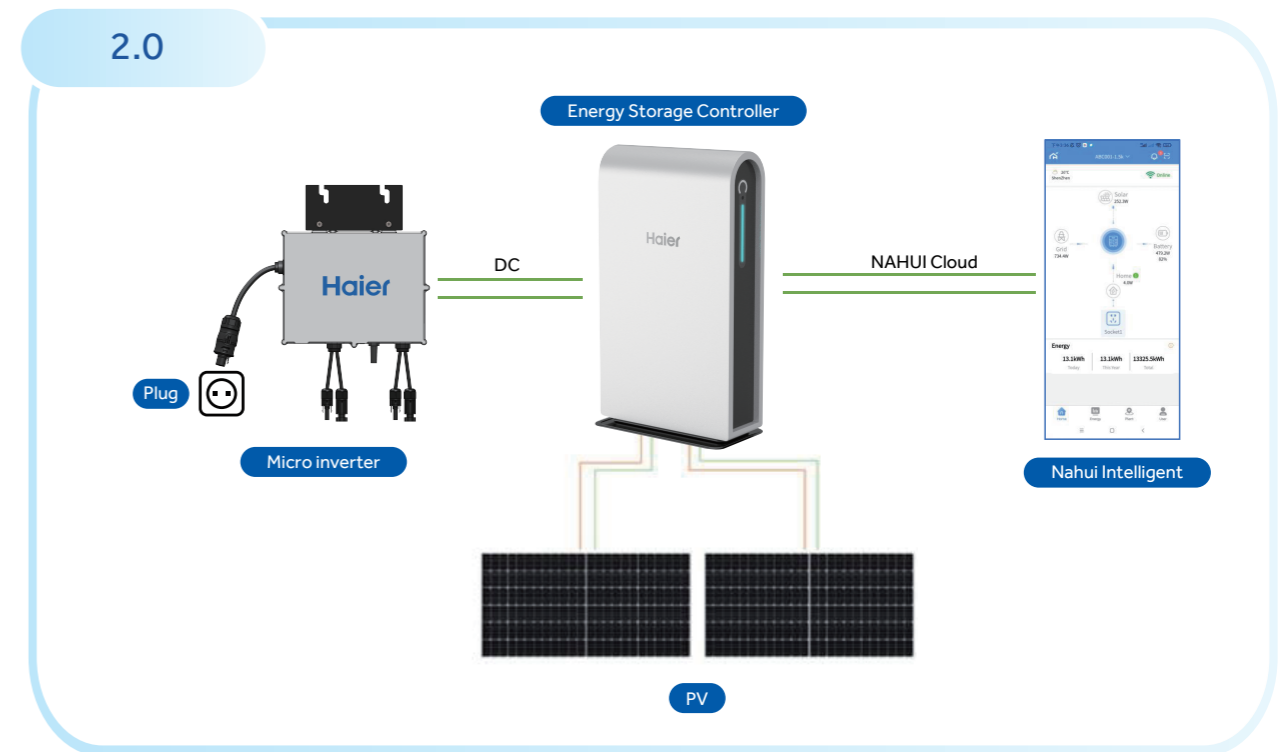
High Yields

4-year return on investment, capable of generating nearly €8000 in economic benefits throughout its lifecycle

Smart

Can be paired with smart plug for real-time monitoring of household load

MONITORING PLATFORM



Monitoring Platform

Nahui Intelligent is a mobile energy-monitoring application software. With Nahui Intelligent, users can monitor the real-time operation of the photovoltaic and energy storage controller system, historical power generation data and the environmental benefits generated by the system.

Balcony Solution

HE2-1.5/3.0

Energy Storage Controller



With battery heating film charging at -10 °C rated power



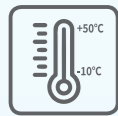
Flexibility

PV input 25~60Vdc, fits in different types of solar panels.



Adaptability

Compatible with different brands of existing micro inverters.



Wide Temp. Range

Works in harsh environments (-10 °C~+50 °C). Auto-heating system in low temp. (0 °C).



Long Lifecycle

10+ years life design, 6000 Cycles.



Smart App

Smart WiFi monitor, user friendly installation in 30S.



DIY

Easy installation, timing function supports the user in setting the charge/discharge time.

CERTIFICATE



MSDS

UN38.3



Model	HE2-1.5	HE2-3.0
PV Input Features		
Commonly used power module	210 to 410 W+ (2 Pieces)	210 to 410 W+ (2 Pieces)
Maximum input voltage	60 V	60 V
MPPT voltage range	30~60 Vdc	30~60 Vdc
Start-up voltage	30 Vdc	30 Vdc
Maximum input current	26 A	26 A
Maximum input short circuit current	32 A	32 A
DC Output Features		
DC output current	32 A	32 A
Output voltage range	26.1~32.4 Vdc	26.1~32.4 Vdc
Timer setting	Timing function supports the user in setting the DC Output time through the APP	Timing function supports the user in setting the DC Output time through the APP
Lithium Battery Features		
Total energy	1497 Wh	2995 Wh
Usable energy (90% DOD)	1347 Wh	2695 Wh
Normal battery voltage	28.8 Vdc	28.8 Vdc
Typical capacity	52 Ah	104 Ah
Max. charge current	26 A	26 A
Max. discharge current	32 A	32 A
Operation voltage range	22.5~32.4 Vdc	22.5~32.4 Vdc
Operation temperature	-10 °C~+50 °C	-10 °C~+50 °C
Charging heating function	When the temperature is below 0 °C, the low temperature charging heating function will start, battery pack will run between 0~5 °C (optional)	When the temperature is below 0 °C, the low temperature charging heating function will start, battery pack will run between 0~5 °C (optional)
Protection		
Protection	Over charge protection, Over discharge protection, Solar reverse polarity protection, Over temperature protection, Low temperature charge protection	Over charge protection, Over discharge protection, Solar reverse polarity protection, Over temperature protection, Low temperature charge protection
IP grade	IP54	IP54
Other Features		
Display method	LED RGB	LED RGB
Display substance	PV status, Battery status, DC Output status, Alarm status	PV status, Battery status, DC Output status, Alarm status
WiFi substance	PV status, Battery status, DC Output status, Alarm status, Timing setting Function	PV status, Battery status, DC Output status, Alarm status, Timing setting Function
Accessory		
PV cable	With 5m PV MC4 extension cable x 4 With 2m PV MC4 extension cable x 4	With 5m PV MC4 extension cable x 4 With 2m PV MC4 extension cable x 4
Ambient		
Noise (dB)	<45 dB (2 meters)	< 45 dB (2 meters)
Working temperature	-10 °C~+50 °C	-10 °C~+50 °C
Humidity	0~95% (no condensation)	0~95% (no condensation)
Sea level (m)	≤4000	≤4000
Dimensions		
LxWxT (product size) mm	L759 * W440 * H170 mm	L740 * W440 * H180 mm
LxWxT (package size) mm	L799 * W490 * H275 mm	L820 * W510 * H280 mm
Weight (NW Kg)	32.5 Kg	42.2 Kg
Weight (GW Kg)	34 Kg	45.00 Kg