

GLORIA

Smart All-in-One Balcony Solar System

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Website



LinkedIn



Suitable For



Balconies



Gardens



FEATURES

Flexible Power

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

All-in-One Design

Integrated with micro-inverter, BMS, EMS and battery, easy Installation

Remote Upgrade OTA

Can update output power in the background and support remote program upgrades

Easy Installation

Plug & play connection, no requirement for professional installation, saving installation costs

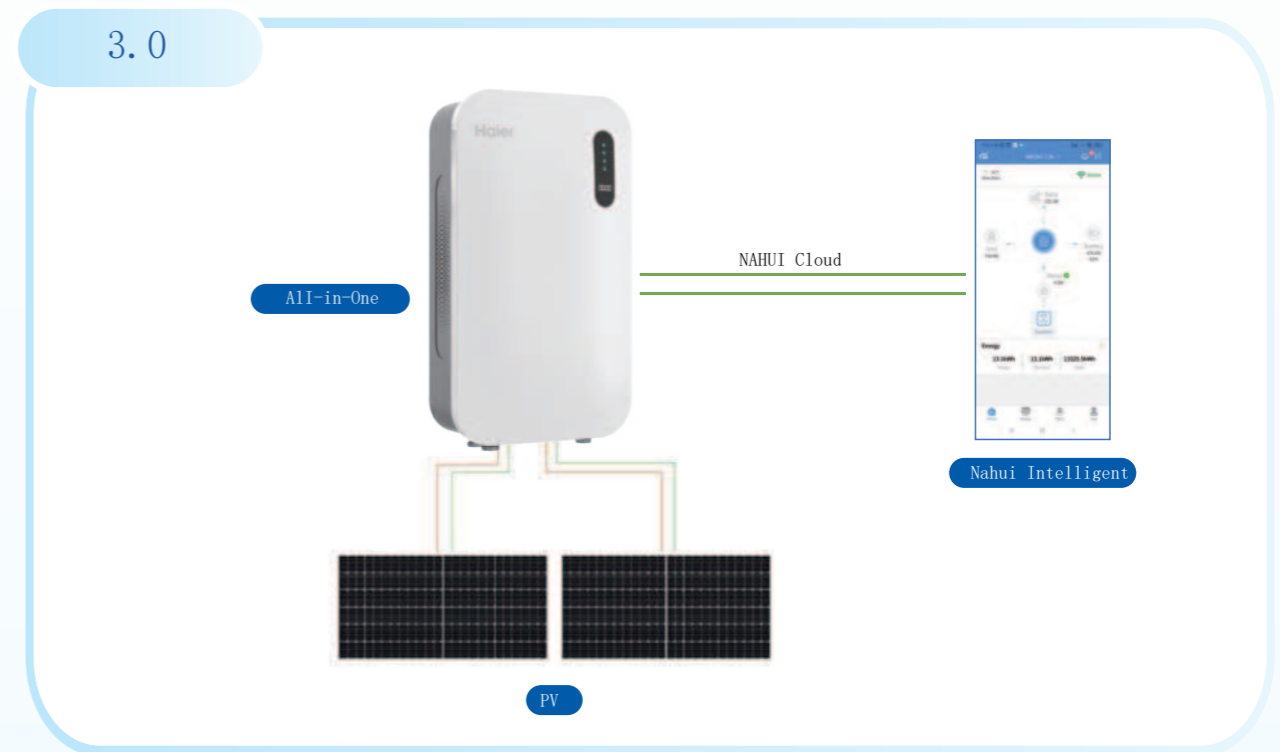
Super Safe

Protection of micro-inverter, BMS and insurance circuit breaker

EPS

Back-up switch time < 10 ms

MONITORING PLATFORM



Monitoring Platform

Nahui Intelligent is a mobile energy monitoring application software. Users can use Nahui Intelligent to monitor the real-time operation of the photovoltaic and All-in-One system, historical power generation data and environmental benefits generated by the system.

HMKS-800D-FB

HPS-2.5

All-in-One

Bi-directional Battery



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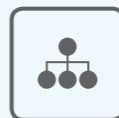
Flexible Output Power

The default output power at the factory is 600w, max. support 2400W, user can customize through the app



UPS

Back-up switch time < 10 ms



Parallel connection

This product can also be used in phases, and when there are three or more units, it can form a three-phase system to meet the needs of high-power loads

CERTIFICATE



MSDS

UN38.3



Model	HPS-2.5
PV Input	
Max. PV power	1200 W
Max. input voltage	150 V
MPP voltage range	10~145 V
Min. input voltage / start voltage	10 V / 12 V
No. of independent MPPT trackers / strings per MPPT input	1/3
Max. input current per MPP tracker	25 A
Max. short-circuit current per MPP tracker	28 A
Battery	
Rated battery energy	2560 Wh
Rated capacity	50 Ah
Battery voltage	51.2 V
Battery voltage range	43.2~58.4 V
Charging / Discharge current	50A (adjust 0~50 by App)
Battery type	LiFePO ₄
AC Output	
AC voltage range	184 Vac~253 Vac
Rated AC frequency	50 Hz / 60 Hz
AC frequency range	45~55 Hz / 55~65 Hz
Continuity power	2400 W
Peak power (2s)	3600 VA
Harmonics THDi (@ Nominal power)	< 3 %
On Grid	
Max. input power from grid	2400 W (adjust 0~2400 W by App)
Max. input current from grid	16 A (adjust 0~16 W by App)
Max. output power to grid	600 W (adjust 0~2400 W by App)
Max. output current to grid	2.5 A (adjust 0~16 W by App)
Efficiency	
MPPT efficiency	99.99%
PV charging efficiency	96%
Battery to load efficiency	93%
Product	
Dimensions (W / H / D)	680 * 430 * 200 mm
Weight	40 kg
Operating temperature range	Charge: 0°C ~55°C Discharge: -20°C ~55°C
Degree of protection (as per IEC 60529)	IP 54
Max. relative humidity	0~95 %
Max. operating altitude	3000 m
User interface	LCD & App
OTA	support
Parallel operation	support
Number of parallel machine	2~6