

**Product
display**

**Optical storage
machine series**



Flexible

Wide input voltage range
Compatible with lead acid and lithium batteries for multiple battery access

Elegance

The appearance is fashionable, lightweight and simple
Natural cooling, low noise
IP65 protection grade, wall mounted design, save space

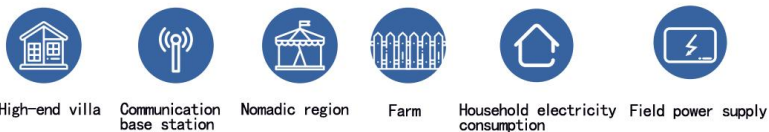
Reliable

Battery backconnection protection
Compatible with anti-countercurrent function
Discharge at full power and disconnect the charger automatically after the battery is full

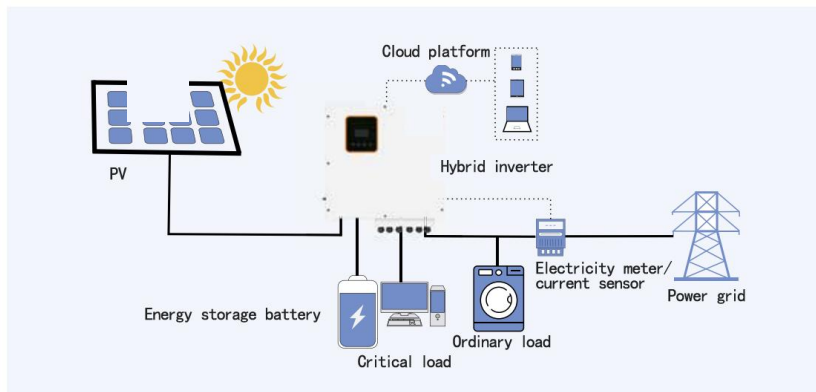
Advanced

Home smart energy management terminal
Power dispatching and demand side response management node
Distributed virtual power plant management node

Application scenario



Product application diagram



Model number	HN-R5KL1	HN-R6KL1
Input parameters (PV)		
Maximum power	7kW	
Starting voltage	125V	
Maximum dc voltage	550V	
MPPT Voltage range/Rated voltage	125-500V/360V	
Output parameter (AC)		
Rated output power	5KVA	6KVA
Grid voltage/Range/Frequency	230V/176VAC-270VAC/50/60Hz	
Battery data		
Battery voltage range	40-58V	
Battery type	Lithium battery/Lead-acid battery/Colloidal battery	
Communication interface	CAN/RS485	
Off-grid output		
Rated power	5KVA	6KVA
Rated output voltage/Frequency	230VAC/50/60Hz	
Automatic switching time	<20ms	
Conventional data		
Battery charging and discharging efficiency	95%	
Ambient temperature	-25°C-+60°C	
Size (width * depth * height)	550*200*515mm	
Weight	26Kg	
Communication mode	RS485/CAN/wifi/Lan/DRM	



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Application scenario



High-end villa



Communication base station



Nomadic region



Farm

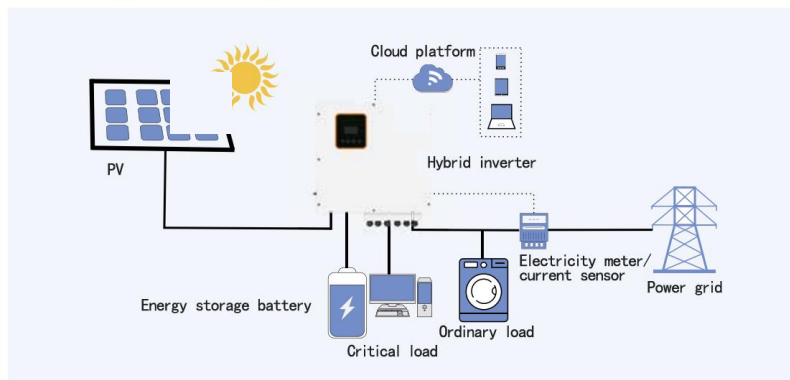


Household electricity consumption



Field power supply

Product application diagram



Model number	HN-R8KH3	HN-R12KH3
Input parameters (PV)		
Maximum power	10.4kW	15.6kW
Starting voltage	125V	
Maximum dc voltage	1000V	
MPPT Voltage range/Rated voltage	125-850V	
Output parameter (AC)		
Rated output power	8.8KVA	13.2KVA
Grid voltage/Range/Frequency	400V/360VAC-440VAC/50/60Hz	
Battery data		
Battery voltage range	125-600V	
Battery type	Lithium battery/Lead-acid battery/Colloidal battery	
Communication interface	CAN/RS485	
Off-grid output		
Rated power	8.8KVA	13.2KVA
Rated output voltage/Frequency	400VAC/50/60Hz	
Automatic switching time	<20ms	
Conventional data		
Battery charging and discharging efficiency	95%	
Ambient temperature	-25°C~+60°C	
Size (width * depth * height)	550*200*560mm	
Weight	29Kg	
Communication mode	RS485/CAN/wifi/Lan/DRM	



Flexible

Multiple working modes can be set flexibly
Support lithium battery and lead-acid battery
Photovoltaic controller can be expanded to facilitate flexible configuration of photovoltaic capacity

Convenient

Integrated solution, support load, battery, power grid, diesel generator, photovoltaic simultaneously access

Integrated EMS function, safe and stable power supply, maximum utilization of new energy

Reliable

Battery capacity and discharge time prediction

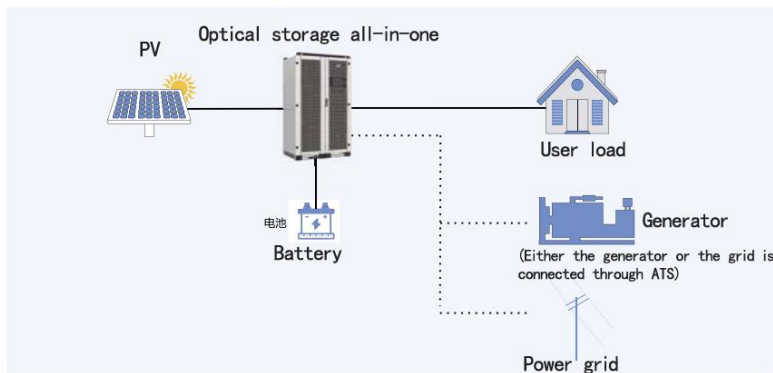
CAN and RS485 interface, Modbus communication protocol

And off - grid state seamless switch, uninterrupted supply load

Built-in isolation transformer has strong load adaptability

Perfect protection function, protect inverter and battery

Product application diagram



Model number	HN-MPS0030	HN-MPS0050	HN-MPS0100	HN-MPS0150	HN-MPS0250	HN-MPS0500
Input parameters (PV)						
Maximum power	36kW	60kW	120kW	180kW	300kW	600kW
Starting voltage	200V					
Maximum dc voltage	1000V					
MPPT Voltage range/Rated voltage	200-850V					
Output parameter (AC)						
Rated output power	30kW	50kW	100kW	150kW	250kW	500kW
Grid voltage/Range/Frequency	400V/360VAC-440VAC/50/60Hz					
Battery data						
Battery voltage range	200-850V	420-850V			500-850V	
Battery type	Lithium battery/Lead-acid battery/Colloidal battery					
Communication interface	CAN/RS485					
Off-grid output						
Rated power	30kW	50kW	100kW	150kW	250kW	500kW
Rated output voltage/Frequency	400VAC/50/60Hz					
Automatic switching time	<20ms					
Conventional data						
Battery charging and discharging efficiency	95%					
Ambient temperature	-25°C-+60°C					
Size (width * depth * height)	800*800*1900	1200*800*2050	1800*800*2050	2800*1050*2050		
Weight	440kg	720kg	900kg	1250kg	1700kg	3520kg
Communication mode	RS485/CAN/Wifi/Lan/DRM					