



# 户用储能

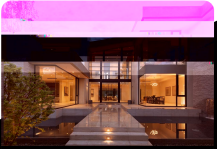
## Household Energy Storage

### 三相混合储能

HB3060EH600~



380/400V



MPPT

MPPT

99.9%

UPS  
100%

≤ 10ms

4G WIFI GPRS

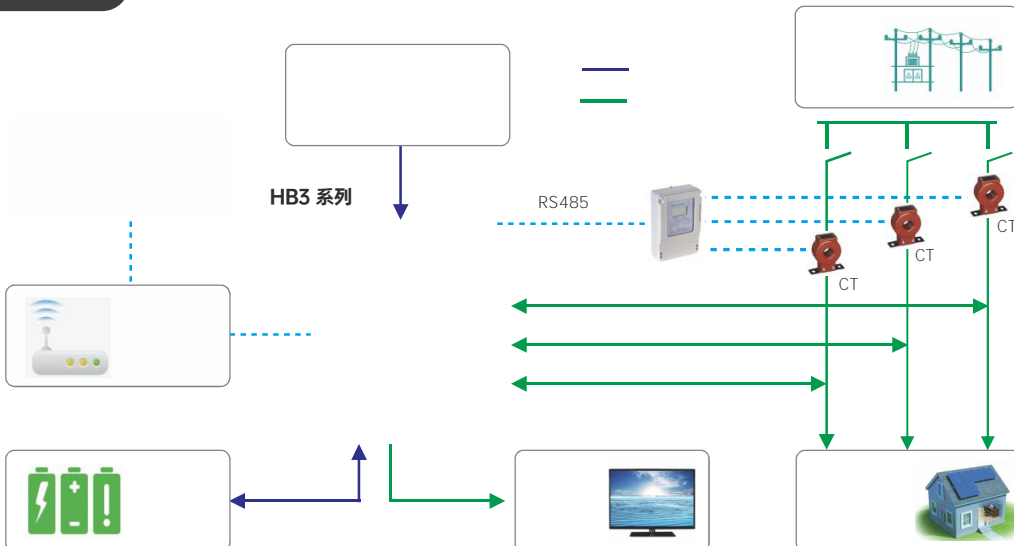
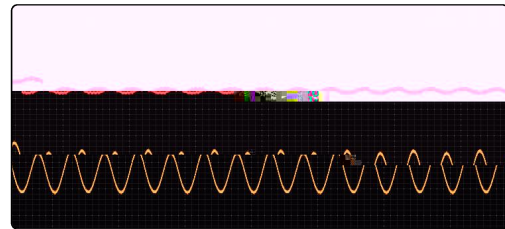
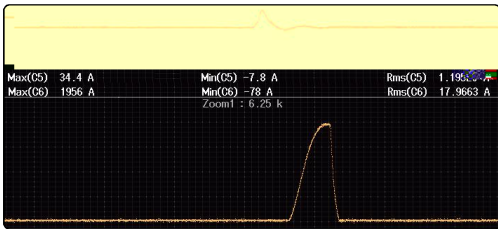
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IP66



4.3 65K

15





	HB3060EH600	HB3080EH600	HB3100EH600	HB3120EH600	HB3150EH600
<b>PV</b>					
PV	9000W	12000W	15000W	18000W	22500W
PV	1000Vdc				
PV	90Vdc				
MPPT	180-850Vdc				
MPPT	240-850Vdc	320-850Vdc	400-850Vdc	320-850Vdc	400-850Vdc
PV	13A+13A			26A+13A	
PV	17A+17A			34A+17A	
MPPT /	2/1+1			2/2+1	
<b>AC</b>					
220/380Vac, 230/400Vac					
50/60Hz(±5) /					
	9.1A	12A	15.2A	18.2A	22.7A
	10A	13.3A	16.7A	20A	25A
	6000W	8000W	10000W	12000W	15000W
	6600VA	8800VA	11000VA	13200VA	16500VA
	6600W	8800W	11000W	13200W	16500W
	0.5% In				
	3L+N+PE				
(cos )	0.99 @		0.8	-0.8	
(THDi)	3%				
(THDu)	2%( )				
	10ms( )				
	<110% 110%-120% 1min , >120% 10S				
<b>BMS</b>					
	3 / / BMS				
	125-600V				
	50A				
	50A				
/	6000W	8000W	10000W	12000W	15000W
<b>Efficiency</b>					
PV	97.6%			98.2%	
	97.0%			97.5%	
MPPT	99%				
<b>Features</b>					
	+LED				
	RS485/CAN/DRM		4G/WIFI/GPRS/		
	DC Type II / AC Type III				
(dB)	30				
	-25°C-60°C( 45 )				
	0-100%				
	4000m (>2000m )				
	15W				
	IP66				
W*D*H (mm)	550*220*530				
(kg)	31		33		35
	5 /10				

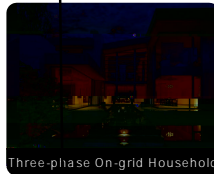
# HOUSEHOLD ENERGY STORAGE SYSTEM



## THREE-PHASE HYBRID SOLAR INVERTER

### Application Scenarios

Household or light commercial three-phase hybrid energy storage system, is applicable to newly installed or modified photovoltaic



Three-phase On-grid Household



Small Industry And Commerce



PV System Renovation



AC 380/400V

### Product Features

Integrated MPPT controller, MPPT efficiency up to 99.9%.  
Three output modes: grid-connected, off-grid, and bypass.  
It has the function of UPS, and the switching time  $\leq 10\text{ms}$ .  
Compatible with lead-acid battery, lithium battery, gel battery, etc., with battery management function.

It has two anti-reflux functions  
With IP66 protection degree, it can be installed outdoors.

### Product Highlight

Charge and discharge current three-stage conversion, low current ripple, improving battery life.  
The grid port adopts a dual relay series scheme for multiple safety guarantees.  
Independent multi-function generator interface, intelligent switching, saving additional investment.  
Equipped with uphill driving function, with higher load power and more types of loads.  
The appearance is like a panda, lively and friendly.

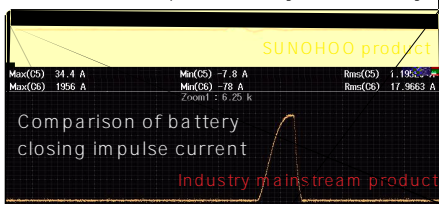
Multiple working modes to meet the needs of users in different scenarios: Self Use, Selling First Back-Up Mode, Force Time Use, Composite Pattern.

It has overload, short circuit, overvoltage and undervoltage, underfrequency, overfrequency and other safety protections.  
Optional 4G, WIFI or GPRS remote communication module, 24-hour load monitoring.  
The design is fanless and low noise.

Soft start function of battery, without starting impact current, protect the machine and battery.

4.3-inch 65K color high-definition touch screen, rich content, friendly human-computer interface.

The Maximum Supports up to 15 parallel machines  
Power grid self-adaptation, supporting normal power generation under weak grid conditions.  
Customizable design to meet different customer needs.



### Application System Diagram





Product Data Sheet

MODEL	HB3060EH600	HB3080EH600	HB3100EH600	HB3120EH600	HB3150EH600
<b>PV Input</b>					
Max PV Input Power	9000W	12000W	15000W	18000W	22500W
Max PV Input Voltage	1000Vdc				
PV Input Starting Voltage	90Vdc				
MPPT Input Voltage	180-850Vdc				
MPPT Full Load Voltage Range	240-850Vdc	320-850Vdc	400-850Vdc	320-850Vdc	400-850Vdc
PV Max Input Current	13A+13A			26A+13A	
PV Short-circuit Current	17A+17A			34A+17A	
Number of MPPT / Strings per MPPT	2/1+1			2/2+1	
<b>AC Output</b>					
Rated Output Voltage	220/380Vac, 230/400Vac				
Output Frequency Range	50/60Hz(±5) Intelligent adaptive/Settable				
Rated Output Current	9.1A	12A	15.2A	18.2A	22.7A
Max Grid-connected Current	10A	13.3A	16.7A	20A	25A
Rated Grid-connected Power	6000W	8000W	10000W	12000W	15000W
Max Grid-connected Viewing Power	6600VA	8800VA	11000VA	13200VA	16500VA
Max Grid-connected Active Power	6600W	8800W	11000W	13200W	16500W
DC Component	0.5% In				
Grid Type	Three-phase 3L+N+PE				
Output Power Factor(cos φ)	0.99 @ Rated power Adjustable 0.8 leading-0.8 lagging				
THDi	3%				
THDu	2%(Linear load)				
Transfer Time	10ms(Typical value)				
Off-grid Overload Capability	<110%Long-term work 110%-120% 1min , >120% 10S				
<b>Battery Input</b>					
Battery Type	Lead-acid, lithium batteries, gel batteries, etc				
Charging Mode	3-section Type/Equilibrium/Self-adaption BMS				
Battery Voltage	125-600V				
Max Discharge Current	50A				
Max Charging Current	50A				
Max Charge/Discharge Power	6000W	8000W	10000W	12000W	15000W
<b>Efficiency</b>					
Max PV Conversion Efficiency	97.6%			98.2%	
European Efficiency	97.0%			97.5%	
MPPT Efficiency	99%				
<b>General Parameters</b>					
Display	Touch Screen+LED				
Communication Mode	Standard RS485/CAN/DRM Optional 4G/WIFI/GPRS/Temperature compensation module				
Surge Protection	DC Type II / AC Type III				
Noise (dB)	30				
Cooling	Intelligent forced air cooling				
Operating Ambient Temperature	-25°C ~ 60°C( 45 Derating )				
Humidity	0-100%				
Altitude	4000m (>2000m Derating )				
Electricity Consumption At Night	15W				
Protection Degree	IP66				
Installation Method	Wall-mounted				
Dimension. W*D*H(mm)	550*220*530				
Weight (kg)	31		33		35
Warranty	5 years standard/10 years optional				

Specifications are subject to change without advance notice.