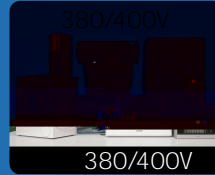
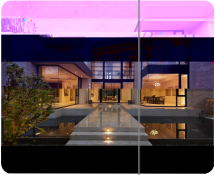




户用储能系统

HB3060EH600~3150EH600

380/400V



MPPT

MPPT

99.9%

UPS
100%

≤ 10ms

4G WIFI GPRS

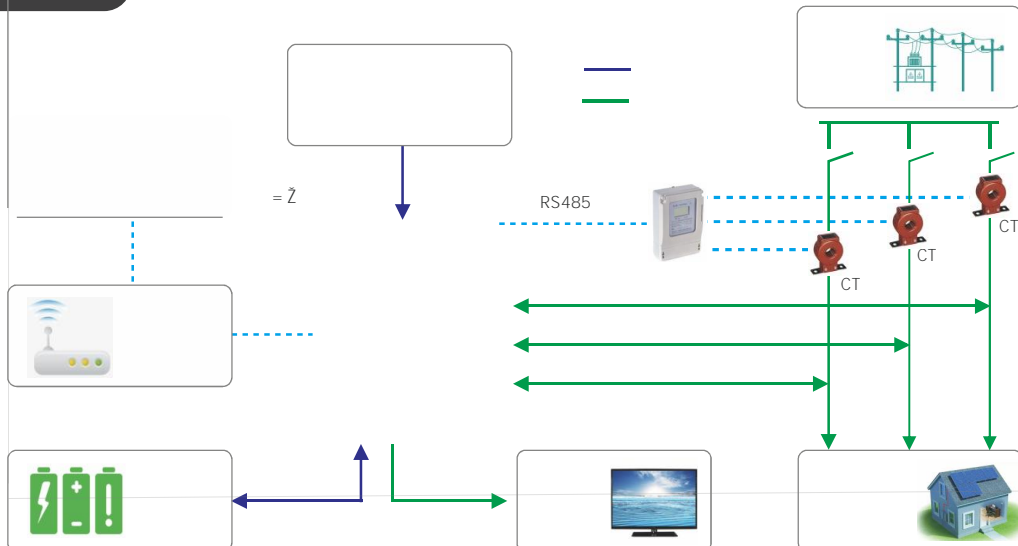
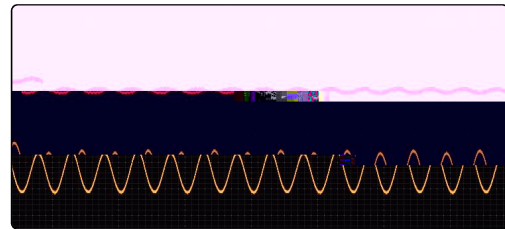
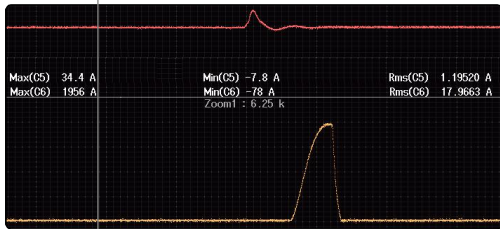
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IP66

4.3 65K

15





	HB3060EH600	HB3080EH600	HB3100EH600	HB3120EH600	HB3150EH600
PV					
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	
AC					
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				
BMS					
	3 / / BMS				
	125-600V				
	50A				
	50A				
/	6000W	8000W	10000W	12000W	15000W
Efficiency					
PV	97.6%			98.2%	
	97.0%			97.5%	
MPPT	99%				
Features					
	+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				

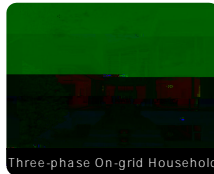
HOUSEHOLD ENERGY STORAGE SYSTEM

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



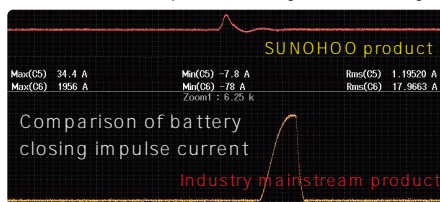
Product Features

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.



Application System Diagram

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.



Product Data Sheet

MODEL	HB3060EH600	HB3080EH600	HB3100EH600	HB3120EH600	HB3150EH600
PV Input					
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	
AC Output					
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				
Battery Input					
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
Efficiency					
Max PV Conversion Efficiency	97.6%			98.2%	
European Efficiency	97.0%			97.5%	
MPPT Efficiency	99%				
General Parameters					
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.