

**Energy Storage**  
(AC Three-phase)

# BSE8KH3/10KH3 /12KH3/15KH3

**Hybrid  
Inverter**

Output Power:  
8KW/10KW/12KW/15KW

**EU Standard**



## Application Scenario



Villa



Communication base station



Nomadic area



Farm



Household



Field power supply



**Flexible**

Wide input voltage range. Compatible with lead-acid or lithium-ion batteries or other battery



**Reliable**

Compatible anti counter flow function. Battery reverse connect protection.



**Grace**

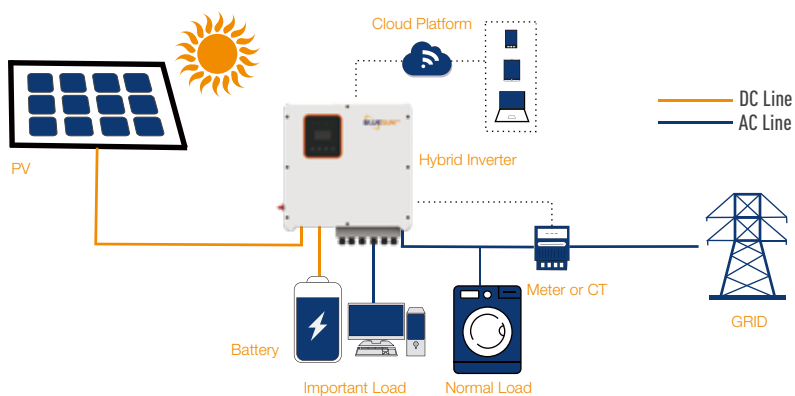
Fashion appearance, light weight, smart operation. Natural cooling, low noise. IP65, wall mounted design, saving space. Touch screen LCD.



**Advanced**

Intelligent energy management system for home. Power dispatching and demand side response management. Distributed virtual power station management.

## Product Topology



**TECHNICAL PARAMETERS**

	Model	BSE8KH3	BSE10KH3	BSE12KH3	BSE15KH3
<b>PV input</b>	Max. input power	12KW	13KW	18KW	22.5KW
	Max. PV voltage	1000V			
	MPPT range	180V-850V			
	Max. input current	15A*2	15A*2	15A*2	15A*2
	MPPT tracker/strings	2/1	2/1	2/1	2/2
<b>AC output</b>	Max. output power	8.8KVA	11KVA	13.2KVA	16.5KVA
	Max. output current	12.7A	15.9A	19.1A	23.8A
	Nominal voltage/range	380V/400V 3W+N+PE			
	Frequency	50 /60Hz			
	PF	0.8lagging-0.8leading			
	THDI	<3%			
	AC output topology	3W+N+PE			
<b>Battery</b>	Battery voltage range	125V-600V			
	Rated.Charge/discharge current	40A	40A	40A	40A
	Max. Charge/discharge power	8.8KW	11KW	13.2KW	16.5KW
	Battery type	Lithium and Lead Acid Battery			
	Communication interface	CAN/RS485			
<b>Eps output</b>	Max. output power	8.8KVA	11KVA	13.2KVA	16.5KVA
	Rated voltage	400Vac			
	Max.Output Current	12.7A	15.9A	19.1A	23.8A
	Rated frequency	50 /60Hz			
	Automatic switchover time	<20ms			
	THDU	<2%			
<b>General data</b>	Battery chage/discharge	97.5%	97.5%	97.6%	97.8%
	DC max. efficiency	97.9%	98.2%	98.2%	97.6%
	Europe efficiency	97.2%	97.5%	97.5%	97.8%
	MPPT efficiency	99.9%	99.9%	99.9%	99.9%
	Protection class	IP65			
	Noise emission (typical)	25			
	Operation temperature	-25°C~+60°C			
	Cooling	Natural			
	Relative humidity	0 ~100%			
	Altitude	4000m(Derating above 2000 m)			
	Dimensions (WXDXH)	530X560X220mm			
	Weight	31kg	31kg	33kg	34kg
	Inverter topology	Without transformer			
	Self-consumption	<3W			
<b>Features</b>	HMI	LCD;APP			
	Interface:rs485/wifi/lan/can/drm	yes /opt/opt/yes/yes			
	Certificates	CE TUV VDE EN50549			