



Energy Storage

Hybrid Inverter (Low Battery Voltage)

Application Scenario



Villa



Communication base station



Nomadic area



Farm

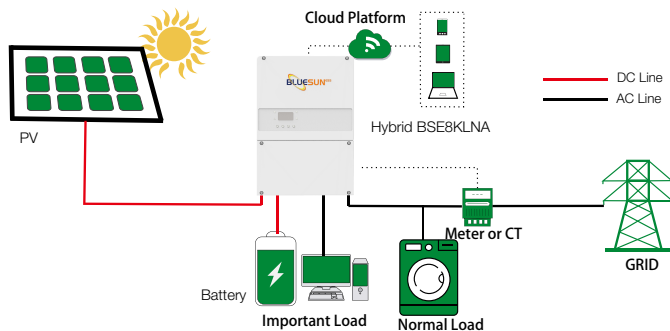


Household



Field power supply

Product Topology



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.



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Model	BSE8KLNA
Efficiency	
Max Efficiency	>=98.2%
CEC Efficiency	>=97.2%
On Grid AC Output	
Rate AC Output Power	8KVA
AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
AC Output Frenquecny	50/60HZ
Grid Type	Split phase、 2/3 phase、 Single Phase
Max Output Current	38.3A
AC Reverse Charging	Yes
PF	0.8leading.. .0.8lagging
Output TH DI	< 2%
Back-up AC Output	
Rated Backup Output Power	8KVA
Max Backup Output Power	10kVA 60S. 12KVA 1S
Backup AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
AC Frenquency	50/60HZ
Output TH DI	<2%
PV Input	
PV input power	12KW
MPPT number	4
PV voltage range	350V/85V - 500V
MPPT voltage range	120V-500V
Single MPPT input current	12A
Battery	
Max charging/discharging current	190A/190A
Battery Voltage range	48V
Battery Type	Lithium-ion,Lead-acid
Protection	
Ground protection	Yes
AFCI protection	Yes
Islanding protection	Yes
DC disconnect detection	Yes
Battery Fteverse protection	Yes
Battery charge and discharge protection	Yes
Insulation testing	Yes
GFCI	Yes
DC anti-thunder	Yes
AC anti-thunder	Yes
Input overvoltage&under-voltage protections	Yes
Output overvoltage&under-voltage protections	Yes
AC&DC over-current protection	Yes
AC short-circuit current protection	Yes
Overheating protection	Yes
General Data	
Operation Temperature range	-25~ +60°C
Environment humidity	0-95%
Altitude	0-4000M (over 2000M derating)
IP rank	IP65/NEMA 3R
Weight	32kg
Dimension(W*H*D) (mm)	530x 660 x 200
Cooling	Fan Cooling
Noise(dB)	<29dB
Display	LCD
Communication	Modbus, RS485, WIFI,4G
Safty	EN61000-6-1, EN61000-6-3, FCC 15 class B
EMC	IEC62109-1, IEC62109-2
On Grid	UL1741,IEEE1547,RULE21,VDE 0126,AS4777,NRS2017,G98,G99



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