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Energy Storage
(Low Battery Voltage)

BSE6KL1

Hybrid
Inverter

6KW

EU Standard
48V Battery



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

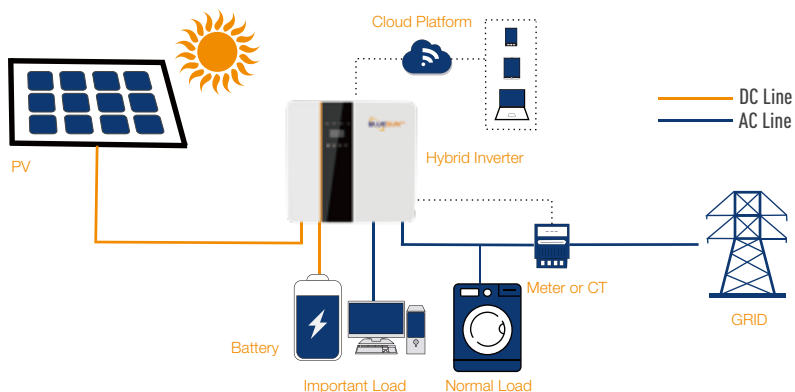
Fashion appearance, light weight, smart operation. Natural cooling, low noise. IP65, wall mounted design, saving space. Touch screen LCD.



Advanced

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

Product Topology



TECHNICAL PARAMETERS

Model		BSE6KL1
PV input	Max. Input Power	7000W
	Start-up voltage	120V
	Max. PV voltage	550V
	MPPT range/nominal	125V-500V /360V
	Max. input current	14A/14A
	MPPT tracker/strings	2/1
AC OUT PUT	Rated power w/va	6000VA/6000W
	Max. output current	26A
	Nominal voltage/range	230V /176Vac~270Vac
	Frequency	50 /60Hz
	PF	0.8lagging-0.8leading
	THDI	<3%
	AC output topology	L+N+PE
Battery	Battery voltage range	40~58V
	Max. charging voltage	58V
	Charge/discharge current	95A/110A
	Battery type	lithium /Lead-acid
	Communication interface	CAN/RS485
EPS output	Rated power w/va	6000VA/6000W
	Rated voltage	230Vac
	Rated current	26A
	Rated frequency	50 /60Hz
	Automatic switchover time	<20ms
	THDU	<2%
	Overload capacity	110%,30S/120%,10s/150%,0.02s
Genera DATA	Battery chage/discharge	95.5%/95%
	DC max. efficiency	97.6%
	Euro efficiency	97%
	MPPT efficiency	99.9%
	Protection class	IP65
	Noise emission (typical)	<35dB
	Operation temperature	-25 C ~+60 C
	Cooling	Natural
	Relative humidity	0~95%(non-condensing)
	Altitude	2000m
	Dimensions (WDXH)	550X200X515mm
	Weight	25kg
	Inverter topology	Without transformer
	Self-consumption	<3W
Features	Display	LCD
	Interface:rs485/wifi/lan /can/drm	yes /opt/opt/yes/yes
	Certificates	CE、TUV、SAA