

REVO residential Energy Storage Inverters

Low battery voltage hybrid inverter

Battery voltage level: 48V

LIFEPO4BATTERY

**BSE6KL1
6KW**

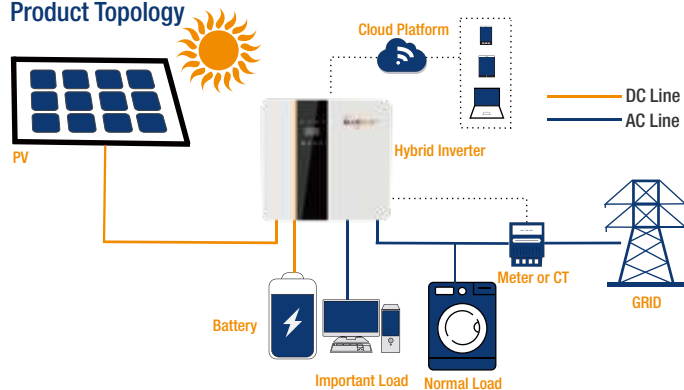
BLUESUN^{ESS}



Application Scenario



Product Topology



Technical specification

MODULE	BSE6KL1
PV input	
Max. Input Power	7000W
Start-up voltage	125V
Max. PV voltage	550V
MPPT range/nominal	125V-500V / 360V
Max. input current	14A / 14A
MPPT tracker/strings	2/1
AC OUTPUT	
Rated power w/va	6000VA/6000W
Max. output current	26A
Nominal voltage/range	230V /180Vac~280Vac
Frequency	50 / 60Hz
PF	0.99lagging-0.99leading
THD	< 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 switch over time	< 20ms
THDU	< 2%
Overload capacity	110%,60S/120%,30s/150%,10s
General 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	-25oC ~ +60oC
Cooling	Natural
Relative humidity	0~95%(non-condensing)
Altitude	2000m
Dimensions (WxDxH)	550 x 200 x 515mm
Weight	26kg
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



Flexible

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



Grace

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



Reliable

Compatible anti counter flow function. Battery reverse connect protection.



Advanced

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