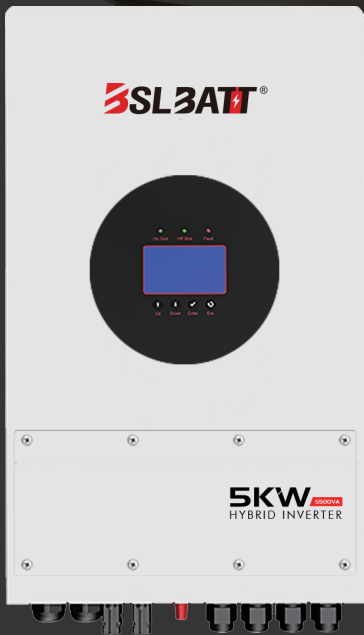


NEW HYBRID 3-5KW  
**HYBRID INVERTER**



## Features

- Multiple operating modes, on-grid, off-grid and UPS, MPPT charger built in.
- Compatible with almost all 48V LiFePO4 battery pack
- Integrated smart APP, can remotely diagnose and update
- Frequency droop control, Max. 16pcs parallel
- DC couple and AC couple to retrofit existing solar system
- One key to reactive the LiFePO4 battery pack

## Product Efficiency



## HI5000LV-EU

3.6kW/4.6kW/5.0kW

www.bsl-battery.com  
inquiry@bsl-battery.com



## Certificates



# Specification

Model	HI5000LV-EU	HI4600LV-EU	HI3600LV-EU
<b>PV Input ( DC )</b>			
Max. DC input power (W)	7000W	6600W	5200W
Max PV input voltage (V)		500V	
Starting voltage		150V	
PV input voltage range		150V-500V	
MPPT voltage range		120V-430V	
MPPT quantity		2	
Max string quantity to each MPPT group		1	
Max input current		15A/15A	
<b>Output/Input ( AC )</b>			
Rating output power	5000W	4600W	3600W
Maximum output apparent power	5500VA	5000VA	3960VA
Max output current	22.8A	22.8A	18A
Rating grid voltage		230V	
Rating grid frequency		50HZ	
Total current waveform distortion rate		<3% (Rating power)	
DC component		<0.5%In	
Power factor range		>0.99@ Full power (Adjustable range 0.8 lead ~0.8 lag)	
<b>Off grid output</b>			
Max output power	4500W	4500W	3600W
Rating output voltage		230V	
Rating output frequency		50Hz(60Hz Optional)	
UPS switching time		<20 ms	
Total harmonic distortion (linear load)		<3%	
Overload capacity		110%,30S /120%,10/ 150% 80ms	
<b>Battery</b>			
Voltage range		41.6V-58.5V	
Max charging current	95A(PV&AC Hybrid charging)	95A(PV&AC Hybrid charging)	80A(PV&AC Hybrid charging)
Max discharging current	100A	100A	85A
Battery type		Lithium battery / lead-acid battery	
Communication interface		RS485/Can	
<b>Efficiency</b>			
Max efficiency		98%	
European efficiency		97%	
Max discharge efficiency		95%	
MPPT efficiency		99.90%	
<b>System</b>			
IP inclosure		IP65	
Noise		<35dB	
Ambient temperature		-25°C-60°C	
Cooling mode		Natural cooling	
Ambient humidity		0-95% non-condensing	
Altitude		No derating below 2000m	
Shutdown self power consumption		<3W	
Display		LCD	
Communication		RS485/USB/CAN/Wifi(GPRS optional)	
Certificate		IEC62109-1 , IEC62109-2 EN61000-6-1, EN61000-1-3 VDE-AR-N4105,EN50549,G99,CEI-021,AS/NZS4777.2, RD1699(UNE 206006 IN:2011/JUNE 206007-1 IN:2013/JUNE 217002:2020)	
Warranty		5 Years (Standard)	
<b>Mechanical</b>			
Size L*W*H		580mm×350mm×230mm	
Install method		Wall mounted	
Weight		23.5Kg	
		OEM and ODM are available Customized products available , completed energy storage system available.	