

BSE Series

BSE10/12KLNA

Solar Storage Inverter

Output Power 10/12KW



APPLICATION SCENARIO:



House



Farm



Telecom



Countryside



Island



Pasture

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 22A*2 PV input current

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Reliable

- Output high-quality pure sine wave AC power
- With IP65 protection degree

All-in-One

- Up to 200A charging current
- Supports Li-ion battery BMS communication

Safety

- With software and hardware security protection
- Multiple safety approvals

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Models	BSE10KLNA	BSE12KLNA	Can Be Set
INVERTER OUTPUT			
Rated Output Power	10,000W	12,000W	
Max. Peak Power	20,000VA	24,000VA	
Rated Output Voltage	120/240Vac, single-phase / split-phase / three-phase (parallel)		√
Load Capacity of Motors	6HP		
Rated AC Frequency	50/60Hz		
BATTERY			
Battery type	Lead-acid / Li-ion / User-defined		√
Rated Battery Voltage	48V		
Max. PV Charging Current	200A		√
Max. Mains Charging Current	120A		√
Max. Alternator Charging Current	60A		
Max. Hybrid Charging Current	200A		√
PV INPUT			
Num. of MPPT	2		
Max. PV Array Power	5,500W+5,500W	6,600W+6,600W	
Max. Input Current	25A+25A		
Max. Open-circuit Voltage	550Vdc+550Vdc		
MPPT Operating Voltage Range	125 ~ 425Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90 ~ 140Vac		√
Frequency Range	50/60Hz		
GENERAL			
Num. of Parallel	1 ~ 6 units		
Dimensions	750*440*240mm (2.46*1.44*0.79ft)		
Weight	42kg (92.59lb)		
Protection Degree	IP65		
Operating Temperature Range	-25~60 ℃ ,>45 ℃ derated		
Cooling Method	Intelligent air-cooling		
Warranty	5 years		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		√
External Modules (optional)	Wi-Fi / GPRS		√
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2		
Rohs	Yes		



BSE Series SOLAR STORAGE INVERTER

BSE10KLNA & BSE12KLNA