



Output Power:  
**10KW/15.6KW**

### Application Scenario



### Flexible

The model covers 7.6kw-12KW, with unified appearance design. Wide battery input range, compatible with a variety of lithium batteries and lead-acid.



### Reliable

Battery reverse connect protection, the charge and discharge are controlled by intelligent software to improve the battery life. Input and output lightning protection, PV arcing detection. Discharge at full power and disconnect the charger automatically when the battery is full. Off grid full power output, transient 1.5 times overload, soft start mode, with air conditioning, water pump and other loads. Insulation detection, leakage battery, ground fault detection, island protection to prevent electric shock.



### Grace

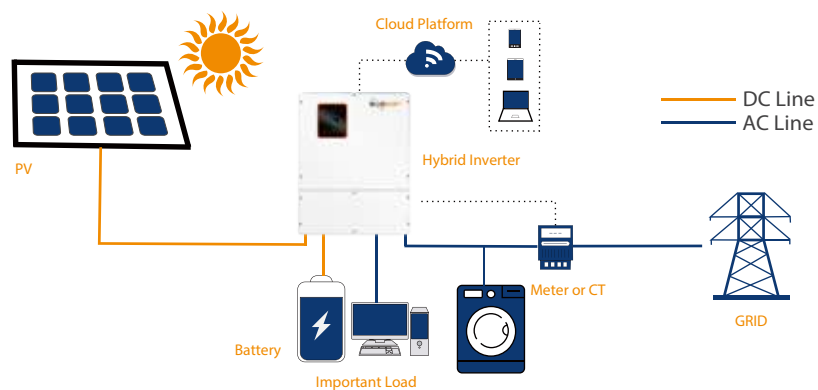
Fashionable appearance, convenient wiring, IP65 design, natural cooling, external fan free design, low noise, improve the whole machine life.



### Advanced

Maximum efficiency up to 98.2%. 4 independent MPPT design, making full use of light energy in different directions. Distributed virtual power station management node. Remote monitoring of computers and mobile phones

### Product Topology



Model	BSE7K6H1NA	BSE12KH1NA		
PV input	PV input power	10kw	15.6kw	
	MPPT number		4	
	Start-up voltage		120	
	MPPT voltage range		125 - 500V	
	Max PV input voltage		500V	
	Each MPPT input current		12A	
AC output (on grid)	Rated AC output	±120/240V 7.6KVA	±120/240V 12KVA	
	AC output voltage	211~264V@240V		
	AC output frequency	50/60Hz (45 to 54.9Hz / 55 to 65Hz)		
	Max output current	34.5A	50A	
	AC reverse charging	Yes		
	Power factor	0.8leading...0.8lagging		
	THDI	< 3 %		
Backup AC output	Rated Backup output power	7.6KVA	12KVA	
	Max backup output power	9.5KVA 60S. 11.4KVA 1S	15KVA 60S 18KVA 1S	
	Backup AC output voltage	110-120/220-240 split phase		
	AC Frequency	50/60Hz		
	Output THDI	< 2%		
Battery	Max charge&discharge current	80 A / 80 A		
	Battery voltage range	85V~400V		
	Battery capacity range	6.6 to 66 kWh		
	Battery type	Lithium/Lead-acid		
	Communication	CAN,RS485		
Efficiency	Max efficiency	≥98.2%		
	CEC efficiency	≥97.2%		
Protection	Complete Protection	Ground protection;AFCl protection;islanding protection;DC disconnect detection;Battery Reverse protection; Battery charge and discharge protection;insulation testing;GFCI;DC&AC anti-thunder;Overvoltage and under-voltage protections;AC&DC over-current protection;AC short-circuit current protection;overheating protection		
GeneraData	output conduit size	25.4mm		
	PV input conduit size	25.4mm		
	Battery input conduit size	34.5mm		
	Temperature range	-25 ~ +60°C		
	Environment humidity	0-95%		
	Altitude	0~4000M (Derating when over 2000m)		
	IP Grade	IP65		
	Weight	32 kg		
	Dimension (W x H x D)	530x 660 x 200mm		
	Cooling	Natural cooling		
	Noise emission(dB)	<25dB	<29dB	
	Display	LCD		
	Communication	Modbus, RS485,WIFI,4G		
	Self-consumption at night	< 2.5 W (with battery enabling < 5 W)		
	No transformer	YES		
Safety	UL1741SA all options, UL1699B, CSA 22.2			
EMC	FCC Part 15 ClassB			