

FEATURES

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger (for 8.2kw,10.2kw)
- Dual communication ports for Battery communication and Wifi communication
- High PV input voltage range(90~ 500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode



Technical Parameters

MODEL		BSY-8.2KW-48V	BSY-10.2KW-48V
	Phase	1-phase	
	Maximum PV Input Power	5400W+5400W	
	Rated Output Power	8200W/8200VA	10200W/10200VA
	Maximum Solar Charging Current	160A	
GRID-TIEE OPERATION			
PV INPUT (DC)	Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
	MPPT Voltage Range	90~450VDC	
	Maximum Input Current	2/18A	
GRID OUTPUT (AC)	Nominal Output Voltage	220/230/240VAC	
	Output Voltage Range	195~253VAC	
	Nominal Output Current	35.6A	44.3A
	Power Factor	>0.99	
EFFICIENCY	Maximum Conversion Efficiency (DC/AC)	98%	
TWO LOAD OUTPUT POWER	Full Load	8200W	10200W
	Maxium Main Load	8200W	10200W
	Maxium Second Load(battery mode)	2733W	3400W
	Main Load Cut Off Voltage	52VDC	
	Main Load Return Voltage	54VDC	
OFF-GRIDDOPERATION			
AC INPUT	Frequency Range	50 Hz/60Hz(Auto sensing)	
	Maximum AC Input Current	48.2A	50A
PV INPUT(DC)	Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
	MPPT Voltage Range	90~450VDC	
	Maximum Input Current	2/18A	
BATTERY & CHARGER	Nominal DC Voltage	48VDC	
	Maximum Solar Charging Current	160A	
	Maximum AC Charging Current	140A	
	Maximum Solar+AC Charging Current	160A	
GENERAL			
PHYSICAL	Dimension,D*W*H(mm)	530x390x130	
	Cartoon Dimension,D *W *H(mm)	620*465*205	
	Net Weight (kgs)	14.2	14.7
ENVIRINMENT	Operating Temperature	-10°C~50°C	
STANDARD	Compliance Safety	CE	

Product specifications are subject to change without further notice.