

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
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge:max 6200W (for 4.2KW),max 6500W (for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



Technical Parameters

MODEL		BSY-3.6KW-24V	BSY-4.2KW-24V	BSY-6.2KW-48V
	Phase	1-phase		
	Maximum PV Input Power	4200W	6200W	6500W
	Rated Output Power	3600W/3600VA(3000/3150/3300)	4200W/4000VA	6200W/6200VA
	Maximum Solar Charging Current	120A		
GRID-TIEE OPERATION				
PV INPUT (DC)	Nominal DC Voltage/Maximum DC Voltage	240/500VDC		
	MPPT Voltage Range	60~450VDC		
	Maximum Input Current	1/18A	1/18A	1/22A
GRID OUTPUT (AC)	Nominal Output Voltage	120VAC(100/105/115V settable)	220/230/240VAC	
	Output Voltage Range	90-150VAC	195~253VAC	195~253VAC
	Nominal Output Current	30A	18.2A	27.0A
	Power Factor	>0.99		
EFFICIENCY	Maximum Conversion Efficiency (DC/AC)	97%		
TWO LOAD OUTPUT POWER	Full Load	3600W	4200W	6200W
	Maxium Main Load	3600W	4200W	6200W
	Maxium Second Load(battery mode)	1200W	1400W	2067W
	Maxium Load Cut Off Voltage	26VDC	26VDC	52VDC
	Maxium Load Return Voltage	27VDC	27VDC	54VDC
OFF-GRIDDOPERATION				
AC INPUT	Frequency Range	50 Hz/60Hz(Auto sensing)		
	Maximum AC Input Current	40A	24.7A	36.4A
PV INPUT(DC)	Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
	MPPT Voltage Range	60~450VDC		
	Maximum Input Current	1/18A	1/18A	1/22A
BATTERY & CHARGER	Nominal DC Voltage	24VDC	24VDC	48VDC
	Maximum Solar Charging Current	120A		
	Maximum AC Charging Current	100A		
	Maximum Solar+AC Charging Current	120A		
GENERAL				
PHYSICAL	Dimension,D*W*H(mm)	420*350*110		
	Cartoon Dimension,D *W *H(mm)	500*415*180		
	Net Weight (kgs)	8.8	8.0	8.9
ENVIRINMENT	Operating Temperature	-10℃~50℃		
STANDARD	Compliance Safety	CE		

Product specifications are subject to change without further notice.