

The BluSky Series inverter is designed for a small office or home usage. The units come in two models: 1000VA-12VDC or 2000VA-24VDC and is equipped with an auto restart function. Should the mains fail and the unit runs out of battery power, the unit will automatically switch on when the power utility returns. The unit provides critical overload protection and can switch between UPS or inverter mode.



## APPLICATION

PC's, Workstations, Desktop Printers, TV's, Music Systems, Routers, Radio's, Lights and other Electronic Equipment.

## FEATURES

- Compact size for convenient use
- Auto restart function
- Buzzer mute control
- LCD display and buzzer alarms
- Fan speed automatic adjust with low noise
- Low DC cut-off voltage setting
- 3 Stage intelligent charging
- 10A or 20A charging for fast charging
- User selectable wide input voltage
- Off mode charging function
- Self-testing on start-up
- Cold Start (DC)
- Solar Charge Controller Optional





BluSky Series

1KVA - 2KVA INVERTER

MODEL	BSI103		BSI203		BSS203	
CAPACITY (VA)	1000VA/900W		2000VA/1600W		2000VA/1600W	
INPUT						
PHASE	single phase					
VOLTAGE RANGE - UPS MODE	170VAC-280VAC					
VOLTAGE RANGE - INVERTER MODE	90VAC-280VAC					
FREQUENCY	50Hz					
OUTPUT - BATTERY MODE						
VOLTAGE	230V ±10%					
WAVEFORM	AC mode: sine wave battery mode: simulated sine wave					
FREQUENCY	50Hz ±1Hz					
TRANSFER TIME	20ms					
PROTECTION						
OVERLOAD PROTECTION	yes					
OVER TEMPERATURE PROTECTION	yes					
SHORT CIRCUIT PROTECTION	yes					
LOW BATTERY SHUTDOWN	yes					
LOW BATTERY ALARM	yes					
OVER CHARGE PROTECTION	yes					
COOLING						
TYPE	fan					
BATTERY						
RATING BATTERY VOLTAGE	12V		24V		24V	
CHARGE VOLTAGE	13.75V ±0.25V		27.5V ±0.5V		27.5V ±0.5V	
CHARGE CURRENT	10A / 20A					
SOLAR BATTERY CHARGER						
MAXIMUM INPUT POWER					1200W	
CHARGING CURRENT (PWM)					50A	
DC VOLTAGE					24VDC	
OPTIMAL WORK VOLTAGE RANGE					30V - 32V	
MAXIMUM PV INPUT VOLTAGE					60V	
MAXIMUM PV INPUT CURRENT					50A	
ALARM						
LOW BATTERY	beep every second					
OVERLOAD	beep every 0.5 second					
FAULT	continuous beep					
OPERATING ENVIROMENT						
HUMIDITY	0-90% relative humidity at 0-50°C (non-condensing)					
NOISE	less than 50dB					
OTHER						
AC INPUT VOLTAGE RANGE SELECTION	yes					
AC CHARGING CURRENT SELECTION	yes					
LOW DC CUT-OFF VOLTAGE SETTING	yes					
AC OUTPUT VOLTAGE SELECTION	yes					
BUZZER MUTE CONTROL	yes					
BATTERY VOLTAGE & LOAD DISPLAY	yes					
PHYSICAL						
NET/GROSS WEIGHT	2.6 / 3.1 kg		2.8 / 3.3 kg		3.3 / 3.7 kg	
UNIT DIMENSIONS (W-D-H)	239 x 310 x 93 mm					
PACKAGE DIMENSIONS (W-D-H)	305 x 371 x 135 mm					



In the interests of continuous product improvement, all specifications are subject to change without notice.