# BluSky Series

## 1KVA - 2KVA INVERTER

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 funtion
- Self-testing on start-up
- Cold Start (DC)
- Solar Charge Controller Optional




## Why come to us for a solution?

Quality products

Wide range of products

Nationwide backup

Locally produced UPS's

Competitively priced

Unique design

Good value for money

24 hours after sales services



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| 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<br>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.