

BNO1000RT SERIES

1-1 PHASE / 1-2-3 KVA RACK UNINTERRUPTIBLE POWER SUPPLY



ONLINE UPS



RACK & TOWER



POWER FACTOR



PLUG & PLAY



INTERNAL BATTERIES



CE CERTIFICATED

GENERAL FEATURES

- High Frequency True Double – Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Wide Input Voltage Range (110~300V)
- Output Power Factor = 0.9
- Cold Start (Start from Battery without Mains)
- Automatic Frequency Detection
- ECO Mode for High Energy Saving
- 50Hz/60Hz Frequency Conversion Mode
- Selectable Output Voltage via LCD Screen
- Bypass adjustable via LCD Screen
- Self-test at startup
- Advanced Battery Management (ABM)
- Battery change while on operation
- Short Circuit and Overload Protection
- Automatic Battery Charging in Off Position
- Load Sensitive Smart Fan Control
- Excellent Generator Compatibility
- Standard RS232 Communication Port
- USB/SNMP Communication Port (Optional)
- Emergency Power Off Function (EPO) (Optional)
- With Additional Magazine Card; Addable Battery Unit (Optional)
- EMC, LVD and CE Certificated product

TECHNICAL FEATURES

MODEL	BNO1000RT		BNO2000RT		BNO3000RT	
CAPACITY / POWER	1000 VA / 900 W		2000 VA / 1800 W		3000 VA / 2700 W	
INPUT						
Related Voltage	208 / 220 / 230 / 240 Vac.					
Voltage Range	110 ~ 176 VAC (%50 ~ %100 Decrease);176 ~ 280 VAC (No Decrease);280 ~ 300 VAC (%50 Decrease)					
Frequency	40 ~ 70 Hz (Auto Sensing)					
Input Power Factor	≥ 0,99					
Related Voltage	%25 ~ +%15 (Setting Available via LCD)					
Total Harmonic Distortion	≤ %6					
OUTPUT						
Related Voltage	208 / 220 / 230 / 240 Vac. (Setting Available via LCD)					
Voltage Regulation	± % 1					
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (Synchronize); 50 / 60 Hz ±0.1 Hz (Battery Mode)					
Wave Form/Output Power Factor	Pure Sin wave / cos@0,9					
Crest Factor	3:1					
Harmonic Distortion (THDv)	Linear Load ≤ %2 ; Non-Linear Load ≤ %5					
Transfer Time	AC Mode to Battery Mode: 0ms Inverter Mode to Bypass Mode: 4ms					
Overload Capacity	%105 ~ %125: 1 Min. (Bypass) / %125 ~ %150: 30 sec. (Bypass) / >%150: 300 msec(Bypass)					
EFFICIENCY						
Mains Mode	≥ %91		≥ %91		≥ %92	
Battery Mode	≥ %85		≥ %86		≥ %87	
ECO Mode	≥ %95		≥ %96		≥ %97	
BATTERY						
Battery Voltage	24 Vdc. (Std)	36 Vdc. (H)	48 Vdc. (Std)	72 Vdc. (H)	72 Vdc. (Std)	96 Vdc. (H)
Inbuilt Battery	2*7 / 9 Ah.	3 pcs	4*7 / 9 Ah.	6 pcs	6*7 / 9 Ah.	8 pcs
Charging Current (Standard Model)	1 Amp.					
Charging Current (Long Model)	6 Amp.					
Recharge Time	8 hours; %90 capacity					
ALARMS						
Utility Failure	Beep / 4sec					
Low Battery	Beep / 1sec					
Overload	Beep Twice / 1sec					
General Fault	Continuous Audible Alert					
ENVIRONMENTAL / COMMUNICATION / STANDARTS						
Operations Temperature / Humidity	0 ~ 90% (non-condensing) / IP20					
Noise Level	≤ 50 Db (1 mt)					
Standard RS 232 / USB (Optional)	Windows98/2000/2003/XP/vista/2008/7/8					
SNMP (Optional)	Power management from SNMP Manager and web browser					
STANDARTS	IECEN62040-1, IECEN62477-1 IECEN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					
DIMENSION / WEIGHT						
Dimension (WxDxH)	440x338x88(S) / 440x468x88(L)		440x430x88(S) / 440x468x88(L)		440x560x88(S) / 440x468x88(L)	
Packaging Dimension (WxDxH)	598x428x194(S) / 545x592x201(L)		545x560x201(S) / 545x592x201(L)		590x690x201(S) / 590x592x201(L)	
Net Weight(Kg)	10,6(S) / 7,6(L)		18,7(S) / 9,7(L)		26,8(S) / 10,1(L)	
Gross Weight(Kg)	11,3(S) / 11,1(L)		21,8(S) / 13,2(L)		29,7(S) / 13,6(L)	

* Our company has the right to change the model, visual and technical specifications of the products without prior notice.

BACK PANEL CONFIGURATION

- 1- AC INPUT
- 2- BATTERY CONNECTOR (Ops.)
- 3- FAN
- 4- USB (Ops.)
- 5- EPO (Ops.)
- 6- RS 232
- 7- SNMP/AS 400 (Ops.)
- 8- AC OUTPUT

