

BNO6000 & BNO10000 SERIES

1-1 PHASE / 6-10 KVA UNINTERRUPTIBLE POWER SUPPLY



ONLINE UPS



TOWER



POWER FACTOR



SERVICE



INTERNAL BATTERIES



CE CERTIFICATED

GENERAL FEATURES

- High Frequency and True Double-Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Wide Input Voltage Range (110~300V)
- Output Power Factor 1
- Cold Start Auto Sensing Frequency
- ECO Mode Operation for Energy Saving
- Selectable Output Voltage via LCD Output
- 50Hz/60Hz Frequency Converter Mode available
- Battery Low Voltage via LCD Power-On Self-Test
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatic Charging in Off Mode
- Auto Control Fan Speed when Loads Varies
- Generator Compatible
- Standard RS232 Communication Port and RJ45 Protection
- USB/SNMP Communication Port (*Optional*)
- Emergency Power Off (EPO) (*Optional*)
- Extension Battery Bank (*Optional*)
- Manual Bypass N+X Redundancy Parallel (*Optional*)
- EMC, LVD and CE Certificated product

TECHNICAL FEATURES

MODEL	BNO6000		BNO10000	
CAPACITY / POWER	6000 VA / 6000 W		10000 VA / 10000 W	
INPUT				
Related Voltage	208 / 220 / 230 / 240 Vac.			
Voltage Range	Half Load (110-300) ±5 VAC, Full Load (160-300) ±5 VAC			
Frequency	40 ~ 70 Hz (Auto Sensing)			
Input Power Factor	≥ 0,99			
Bypass Voltage Range	160V - Rated Output Voltage +32V			
OUTPUT				
Related Voltage	208V / 220V / 230V / 240 VAC (Setting Available via LCD)			
Voltage Regulation	± % 1			
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (Synchronized Range); 50 / 60 Hz ±0.1 Hz (Battery Mode)			
Wave Form / Output Power Factor	Pure Sine Wave/ cos@=1			
Crest Factor	3:1			
Harmonic Distortion	≤1% (Linear Load); ≤4% (Non-Linear Load)			
Transfer Time	AC Mode to Battery Mode: 0ms Inverter Mode to Bypass Mode: 0ms			
Overload Capacity	%105 - %110 Load 10 sec.-%110-125 Load 1 sec. / %126-%150 Load 30 sec.			
EFFICIENCY				
Mains Mode	≥ %92			
Battery Mode	≥ %91			
ECO Mode	≥ %98			
BATTERY				
Battery Voltage	192 – 240 Vdc. (Setting Available via LCD)			
Inbuilt Battery	16x 7 – 9 Ah.	16x 7 – 9 Ah.		
Charging Current (Standard Model)	1 Amp.			
Charging Current (Long Model)	1-5 Amp. Stabil / 12A. (Optional)			
Recharge Time	8 hours Recover to 90% Capacity			
ALARMS				
Utility Failure	Beep / 4sec			
Low Battery	Beep / 1sec			
Overload	Beep Twice / 1sec			
ENVIRONMENTAL / COMMUNICATION / STANDARTS				
Operations Temperature / Humidity	0 ~ 90% (non-condensing) / IP20			
Noise Level	≤ 55 Db (1 mt.)	≤ 58 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)	191 x 465 x 711 (S) / 191 x 465 x 350 (L)			
Packaging Dimension (WxDxH)	310 x 654 x 941 (S) / 318 x 595 x 475 (L)			
Net Weight (Kg)	53 (S) / 15 (L)	62 (S) / 17 (L)		
Gross Weight (Kg)	61 (S) / 16 (L)	70 (S) / 18 (L)		

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

BACK PANEL CONFIGURATION

- 1- RS 232
- 2- EPO
- 3- PARALEL PORT (Optional)
- 4- USB (Optional)
- 5- Battery Temperature Sensor (Optional)
- 6- SNMP/AS 400 (Optional)
- 7- MANUEL BYPASS (Optional)
- 8- FANS
- 9- BYPASS BRAKER
- 10- INPUT BRAKER
- 11- GROUND
- 12- INPUT-OUTPUT TERMINALS



6-10 KVA (External batt.)



6-10 KVA (Internal batt.)