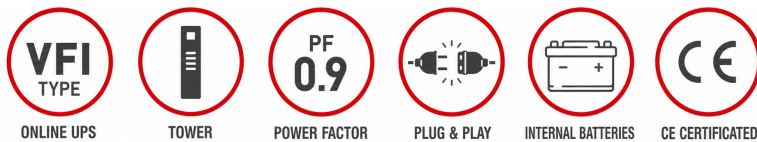


BNO1000 SERIES

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



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 0.9
- Cold Start Auto Sensing Frequency
- ECO Mode Operation for Energy Saving
- Selectable Output Voltage via LCD Output
- Bypass Settable 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*)
- Build-In Isolation Transformer (*Optional*)
- EMC, LVD and CE Certificated product

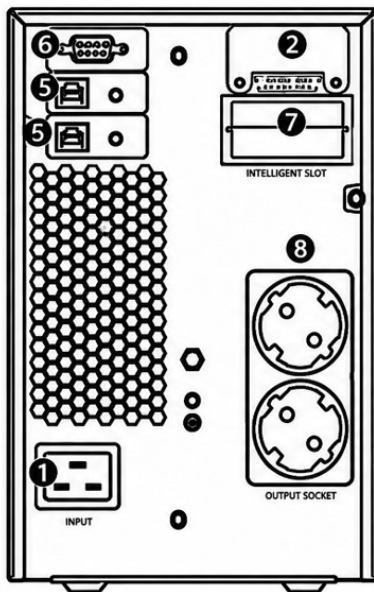
TECHNICAL FEATURES

MODEL	BNO1000		BNO2000		BNO3000	
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 (Linear Derating Between 50% and 100% load); 176 ~ 280 VAC (No Derating); 280 ~ 300 VAC (Derating 50%)					
Frequency	40 ~ 70 Hz (Auto Sensing)					
Input Power Factor	≥ 0,98					
Bypass Voltage Range	-25% ~ +15% (Settable)					
OUTPUT						
Related Voltage	208V / 220V / 230V / 240 VAC (Settable 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	Sinusoidal / 0,9					
Crest Factor	3:1					
Harmonic Distortion	≤2% (Linear Load); ≤5% (Non-Linear Load)					
Transfer Time	Mains Mode to Battery Mode: 0ms Inverter Mode to Bypass Mode: 4ms (Typical)					
Overload Capacity	105% ~ 125%: Transfer to Bypass in 1min 125% ~ 150%: Transfer to Bypass in 30s >150%: Transfer to Bypass in 300ms					
EFFICIENCY						
Mains Mode	≥ %90		≥ %91		≥ %92	
Battery Mode	≥ %85		≥ %86		≥ %87	
ECO Mode	≥ %95		≥ %96		≥ %97	
BATTERIES						
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
Charing 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 Alarms	Long Beep					
ENVIRONMENTAL / COMMUNICATION / STANDARTS						
Operation Temperature / Humidity	0 ~ 90% (Non-Condensing) / IP20					
Noise Level	≤ 50 Db (1 mt.)					
Standard RS 232 / USB (Optional)	Supports Windows®98/2000/2003/XP/Vista/2008/Windows®7/8/10					
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)	144x312x216(S) / 144x336x216(L)		144x417x216(S) / 191x418x335(L)		191x419x335(S) / 191x419x335(L)	
Packaging Dimension (WxDxH)	230x402x315(S) / 232x417x318(L)		230x506x315(S) / 318x518x471(L)		237x500x435(S) / 237x500x435(L)	
Net Weight (Kg)	11(S) / 6(L)		16,4(S) / 11(L)		25(S) / 11(L)	
Gross Weight (Kg)	11,3(S) / 7(L)		17,8(S) / 12(L)		27(S) / 13(L)	

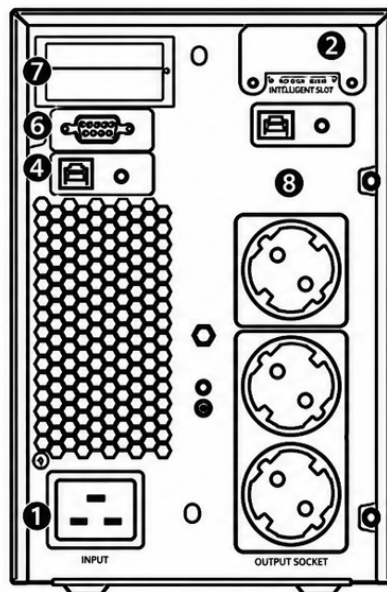
* Our company has the right to change the model, visual and technical specifications of the products without prior notice.

BACK PANEL CONFIGURATION

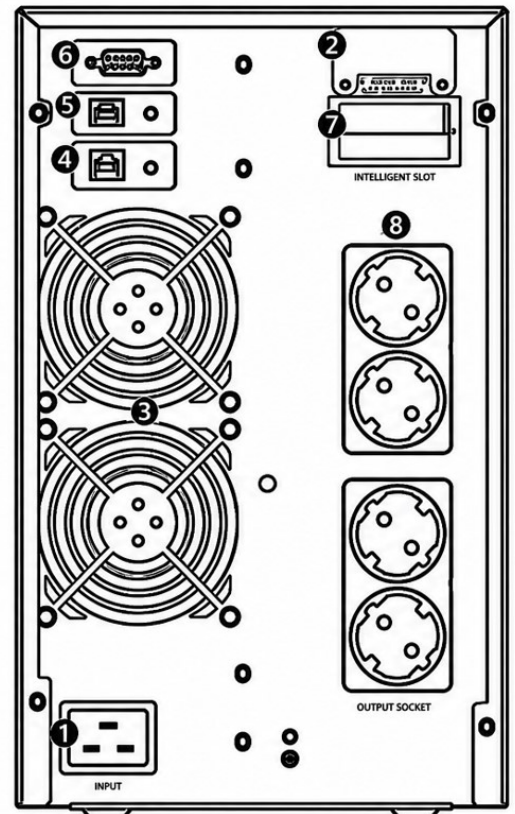
- 1- AC INPUT
- 2- DC INPUT
- 3- FAN
- 4- USB (optional)
- 5- EPO (optional)
- 6- RS 232
- 7- SNMP/AS 400 (optional)
- 8- OUTPUTS



1 KVA



2 KVA



3 KVA