Ntokozo Energy Group (Pty) Ltd
19 Hull Street, Florida, Gauteng 1710
+27 67 713 4032 | info@ntokozoenergygroup.co.za



BH-T Series HF Online UPS (6 – 20KVA 1/1 or 3/1 Phase)

System Introduction

BH-T Series is a double conversion 1/ 1 ,3/ 1 Phase pure online UPS with High Efficiency Rate. It has been designed for mainstream double conversion system with advanced UPS processing control and high adaptive to all kinds of environment. It is also manufactured with advanced SMT international standard, which provide outstanding stability and reliability.

BH-SERIES

System Features

High Performance Index.

- Latest HF switching power supply rectifier and PFC Technology. Input Power Factor 0 .99, THDI≤ 2%(Linear Load) ◆ Wide Input Range from 175~285Vac on full load (100% Load , If Load is below 50% , it can be reached even equal or lower than 115Vac) On 3 Phase Model Input range is from 156 ~ 502 Vac
- Latest IGBT technology to achieve high overall efficiency up to 90%. Compatible with 208/220/230/240V and 50/60 Hz Grid Supply Systems
- 6- 10KVA (1/1): 105- 125% overload for 10 minutes126%- 150% overload for 60ms
- Can be connected with all kinds of generators to save customers costs.
- Intelligent temperature compensator and low wave charger can extend battery lifetime.
- Intuitive dual LCD and LED display panels, which comprehensively and intuitively reflect the state of power system statuses , parameters , and other information . Users can modify and operate based on individual needs on these friendly displays.

Safe and Reliable.

- BH-T Series adapts UPS new controlling software technology to control UPS all processes to increase system reliability.
- BH-T Series adapts sensitive peak current protection circuit to protect the system from damages due to short- circuit, cold load impacts.
- 90% of system components are from international famous brands. Systems will fully test for 24 hours before leaving the factory

Rich Optional Accessories

- BH-T Series can use SNMP Network Adapter, RS485/Dry Contact, USB port , and EPO function to build up a remote control and monitoring system.

Compatible applications/loads

- Network
- Medical
- Banking
- Server
- PC
- Security
- Education
- E-Commerce
- Transportation
- Lab
- Emergency Device

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Specification

Model	BH6 0 S	BH6 0 L	BH1 00 S	BH1 00 L	BH100 S 31	BH100 L31	BH15 0 L31	BH200L31
Capacity	1KVA/0.8KW	1 KVA/0.8KW	2KVA/1.6 KW	2 KVA/ 1. 6 KW	3KVA/ 2.4KW	3KVA/ 2.4KW	15KVA/13.5KW	20KVA/18KW
UPS Structure	Online Double Conversion							
Appearance	Tower							
Overall Efficiency (AC- AC)	> 90%							
Noise (In 2 meters)	< 55dB							
Working Temp	0℃-40℃							
Storage Temp	- 15 ~ 60℃ (Without BATs)							
Humidity	< 9 5 % non-Condensing							
Safety Standard	GB/ T14715 ; EN62040 - 1							
EMC Standard	EN 50091							
Protections	Overload, Short- Circuit , Over Temp . , Utility Power Voltage High/ low , BAT Voltage High/ low							
Parallel Redundancy	None							
Generator Compatibility	Available							
DC Start	Available							
Manual Maintenance Bypass	None							
Display	LCD/ LED: UPS Status, INV Status, Bypass Status, BAT Status, BAT % , Load % , Fault							
Alarm	Auto							
Mute	Auto							
	Rectifier Specification							
Input Voltage Range	85 ~ 300Vac			156 ~ 520Vac				
Input Frequency Range	40 - 70Hz (Auto - Tracking)							
Input PF	>0.99							
THDI	< 2% (Linear load) ; <6% (Non- Linear Load) ;			< 2% (Linear load) ; < 7% (Non- Linear Load) ;				
	Output Speculation							
Output Voltage	220/230/240Vac±2%（Inverter output）							
Output PF (BAT Mode)	0,9							
Output Freq. (Online Mode)	When Input Freq. <46 Hz or >54Hz, Locked at 50 Hz; When Input Freq. <56Hz or >64Hz, Locked at 60 Hz							
Output Freq.	50/60Hz±0.5%							
Output Waveform	Pure Sine wave							
Distortion	1% (Linear Full Load); < 3% (100% Non- Linear Load)							
Overload	105-125%: 10 mins							
	126-150%: 1							
Crest Ratio	3 :1							
Efficiency	> 90%							
Short- Circuit	Circuit Auto Protection, Output Voltage/ Current 0							
Output Abnormal	INV Output Auto - Locked Protection							
Noise Suppression	EMI/ RFI Wave filter							
BAT Low	Shutdown Protection							
Dynamic Response	3 % at full load , recovering in 20ms.							
Auto- Restart	Available							
Software Control	Available							
	Bypass Specification							
Static Bypass Transfer Time	0 ms							
Static Bypass Range	80Vac± 5% ~ 285Vac ±5%							
Bypass > INV Transfer Time	2 ms							
Type	**Sealed Lead Acid Maintenance Free**							
Std. Model Rated Volts/ Units	12V/7 Ahx12/16Pcs	/	12V/7 Ahx16/20Pcs	/	12V/7 Ahx16Pcs	/		
Backup time (50% load)	5- 10min	/	5- 10min	/	5- 10min	/		
Ext. Model Rate Volts/ U nits	144/192Vdc	192V/240Vdc	192/240Vdc	192V/240Vdc	192Vdc	192V/240 Vdc		
Std. Model Charging Current	1.5A	/	1.5A	/	1.5A	/		
Ext. Model Charging Current	/	4A	/	4A	/	4A		
Communication Port	Rs23 2 (Std.) ； / SNMP/ RS48 5 / Dry Contact (Optional Accessory)							
Remote Software	**Multi- functional Monitoring System, Online and BAT Mode Status , BAT Fault , Remote Control (EPO is a optional function)**							

Note: Specifications are subject to change further notice.