BKPOWER
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HIGH FREQUENCY UPS
BK-H11 SERIES
1KVA-10KVA

TO BE GLOBAL LEADER IN POWER SOLUTIONS

SHENZHEN BKPOWER CO., LTD

Product Overview

The BK-H11 Series is an online double-conversion UPS designed for small and medium-sized enterprises, network servers, and small servers.

It employs an advanced double-conversion topology to ensure clean and stable power supply under any circumstances, effectively isolating mains interference and protecting your critical equipment from power issues.

Applications

- **Commerce/Banking:** Educational, commercial, and banking office equipment.
- **SME Server Rooms:** Network server rooms, precision instruments, and equipment.
- **Monitoring and Automation Systems:** Surveillance systems, power railway signal systems, etc.
- **Offices:** Printers, fax machines, access control, and attendance devices.
- **Branches of Large Enterprises:** Companies and enterprises. Homes: Desktop computers, home theaters, household appliances, etc.
- **Supermarkets:** Cash registers, surveillance equipment, etc.

Technical Advantages

- **Ensures Continuous Equipment Operation**
  Guarantees uninterrupted equipment operation regardless of mains conditions, preventing data loss and equipment damage, and enhancing business continuity.
- **Strong Adaptability**
  Suitable for various application scenarios, meeting the diverse needs of users, and providing reliable power protection in commercial, industrial, and home environments.
- **Low Maintenance Costs**
  High efficiency and long-life battery design reduce long-term operational costs, saving expenses for users.

1KVA

2KVA~3KVA

6KVA

10KVA~20KVA

Product Features

- **Complete Isolation of Mains Interference**
  Advanced double-conversion technology converts AC to DC and back to AC, effectively suppressing various mains interferences such as surges and voltage fluctuations.
- **Zero Transfer Time**
  Instantly switches from normal mode to battery mode during mains failures, ensuring uninterrupted power supply and protecting equipment from power issues.
- **High Power Quality**
  Stable output voltage and frequency with pure sine wave output, meeting the requirements of high power quality equipment and ensuring stable operation.
- **Extended Battery Life**
  Low battery discharge probability, only discharging when mains input voltage exceeds specified limits or fails, prolonging battery service life.
- **High Reliability**
  Independent input terminals for rectifier and bypass enhance UPS fault tolerance and system reliability.
- **High Efficiency**
  High-frequency rectification technology improves energy utilization efficiency and reduces operational costs.
- **Robust Materials**
  Three-proofing coating technology protects PCBA with superior insulation, moisture resistance, leakage resistance, shock resistance, dust resistance, corrosion resistance, aging resistance, mold resistance, component looseness resistance, and corona resistance, ensuring stable operation in various environments.
- **Strict Production Process**
  Stringent quality control from SMT, insertion, assembly to production line testing, burn-in testing, quality inspection, and packaging ensures product quality.

Specifications

Model		H11-1KL	H11-2KL	H11-3KL	H11-6KL	H11-10KL
Capacity	KVA/KW	1KVA/900W	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW
AC Input	Input System	Single phase (L/N+PE)				
	Nominal Voltage	HV: 208/220/230/240Vac / LV:100/110/120/127Vac				
	Frequency	50/60Hz				
	Voltage Range	HV: 110~285VAC±5VAC / LV: 55-145Vac±3VAC				
	Frequency Range	(40~70)±0.5Hz				
	Power Factor	>0.99				
	Bypass Voltage Range	HV: 180~265VAC×(1±3%) / LV: 80~140VAC×(1±3%)				
Battery Input	Nominal Voltage	24V	48V	72V	144V	192V
	Battery Capacity	12V/7AH	12V/7AH	12V/7AH	12V/7AH	12V/7AH
	Battery Quantity	2pcs	4pcs	6pcs	12pcs	16pcs
	Backup Time	Half loaded≥8minutes,Full loaded ≥3minutes(standard)				
	Battery Charger Time	Charger to 90% battery capacity in 5 hours(standard) Dependent on the capacity of external batteries (long backup time)				
AC Output	Output Wiring System	Single phase (L/N+PE)				
	Inverter Mode Output Voltage	HV:200V/208/220/230/240Vac±2%, LV:100/110/120/127Vac±2%				
	Waveform	Sine Wave				
	Harmonic Distortion	THD<2% (linear load), THD<7% (nonlinear load)				
	Output Frequency	50/60±4Hz (Sync mode), 50/60Hz±1% (Fix Freq. mode)				
	Overload Capacity	105 ~ 125%≥ 60s,126 ~ 150%≥30s The recover point is 70%				
	Transfer Time	Battery <—> Line Mode :0ms				
Efficiency	Line Mode	86%	86%	87%	88%	89%
	Battery Mode	85%	86%	87%	88%	89%
Communications		RS232 RS485(optional), Dry contact(optional), Network Card(Option)				
Alarm Function		AC/DC input under abnormal, overload condition and Inverter problems				
Protection Function		AC input or output above or below the range of voltage, overload, over temperature and short circuit protection				
Noise		<50dB	<50dB	<50dB	<55dB	<55dB
Dimensions (W×H×L) MM		144×224×352	190 x 323 x370	190 x 323 x370	190x368x565	190x472x589
Weight (KG)		8.8	18.7	20.7	36.8	54.5

Specifications

Model		H11-1KVA	H11-2KVA	H11-3KVA	H11-6KVA	H11-10KVA
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	Frequency	50/60Hz				
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	Frequency Range	(40~70)±0.5Hz				
	Power Factor	>0.99				
	Bypass Voltage Range	HV: 180~265VAC×(1±3%) / LV: 80~140VAC×(1±3%)				
Battery Input	Nominal Voltage	24/36V	48/72V	72/96V	144/192V	192/240V
	Battery Capacity	External	External	External	External	External
	Battery Quantity	-	-	-	-	-
	Backup Time	Depends on the external battery				
	Battery Charger Time	Charger to 90% battery capacity in 5 hours(standard) Dependent on the capacity of external batteries (long backup time)				
AC Output	Output Wiring System	Single phase (L/N+PE)				
	Inverter Mode Output Voltage	HV:200V/208/220/230/240Vac±2%, LV:100/110/120/127Vac±2%				
	Waveform	Sine Wave				
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Protection Function		AC input or output above or below the range of voltage, overload, over temperature and short circuit protection				
Noise		<50dB	<50dB	<50dB	<55dB	<55dB
Dimensions (W×H×L) MM		144×224×352	190 x 323 x370	190 x 323 x370	190×323×370	190x340x565
Weight (KG)		4.7	8	8	9.9	13.5

PRODUCT CATALOG

UPS System
Voltage Stabilizer
Transformer

VFD Inverter
Soft Starter
Solar Inverter

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