

Specifications

Machine type	HS-6KS	HS-6KHH	HS-10KS	HS-10KH	HTS-10KH	HTS-15KH	HTS-20KH		
Power									
Apparent Power (KVA) /Active Power kw	6KVA/4.8KW	6KVA/4.8KW	10KVA/8KW	10KVA/8KW	10KVA/8KW	15KVA/12KW	20KVA/16KW		
Electric Supply									
Range of Voltage	120VAC ~ 275VAC				275VAC ~ 475VAC				
Electric Current	33A.max	37A.max	55A.max	59A.max		86A.max	112A.max		
Range of Frequency	46Hz ~ 54Hz								
Power Factor	0.99				0.95				
Output									
Voltage	220VAC × (1 ± 1%)								
Electric Current	27A		45A		68A	91A			
Frequency	46Hz ~ 54Hz(following the electric supply), 50Hz × (1 ± 0.1%)(battery model)								
Power Factor	0.8								
Overload Capacity	105% ~ 125%, changing into bypass after 1min; 125% ~ 135%, changing into bypass after 30seconds and output disconnected after 1min; >135%, changing into bypass after 0.5seconds								
Peak Value	3: 1								
Distortion	THD<2% (linear full load)								
Storage Battery (Its lifespan will be decreased sharply in case of using it in high temperature.)									
Backup Time	4mins (full load)	Depending on the capacity of the external battery	3mins (full load)	Depending on the capacity of the external battery					
Charging Time	7hours to 90%	Depending on the capacity of the external battery	7hours to 90%	Depending on the capacity of the external battery					
Electromagnetic Compatibility									
ESD	IEC61000-4-2 Level 4								
RS	IEC61000-4-3 Level 3								
EFT	IEC61000-4-4 Level 4								
Surge	IEC61000-4-5 Level 4								
Temperature of the Working Environment	0°C ~ 40°C								
Storage Temperature	-25°C ~ 55°C								
Environment Humidity	20% ~ 90% (non-condensing)								
Altitude	<1000m								
Dimension (Width x depth x height)	248 × 520 × 616	240 × 520 × 460	248 × 520 × 616	240 × 520 × 460	248 × 520 × 616				
Net weight (Kg)	57	19.5	58.5	21.5	28.5	36.5	36.5		
Altitude (m)	1000	1500	2000	2500	3000	3500	4000	4500	5000
Reduction Ratio	100%	95%	91%	86%	78%	74%	70%	70%	67%

Attention: If the UPS is used at the place where the altitude is above 1000m, you should calculate the capacity with descending output at rated power. For the reduction ratio, please refer to the above chart.

HS(HTS)Series

High frequency on-line UPS



Fit for China power grid

- ◆ 0.8 output power factor lives up to the load trend and stronger load
- ◆ Overall efficiency roll reaches 93%, reduce the power loss of UPS, save users' cost.
- ◆ Adopt Active Power Factor Correction (APFC), nearly 1 input power factor, drastically reduce pollution to utility grid.
- ◆ Design for the power grid fluctuations characteristics, allow wide input voltage range, can adapt to bad power grid environment.
- ◆ Excellent input frequency range that UPS can adapt to the different power supply equipment like generator.

BAYKEE®

HS(HTS)Series

High frequency on-line UPS



UPS display panel using the 35 degrees adjustable drawing design

HS series intelligent pure sine wave online UPS, the capacity include from 6KVA~10KVA (single phase in and single phase out) and 10KVA~20KVA (three phase in and single phase out).This series of products fully condensed the essence of baykee cutting-edge technology, adopt double conversion true on-line architecture, is the most effective solution to the problem of all the power architecture design, for grid: power, mains voltage too high or too low, the voltage, the instantaneous drop or damped oscillation, high voltage pulse, voltage fluctuation, surge voltage, harmonic distortion, noise interference, the frequency fluctuation etc can provide a good solution, to ensure the safe and reliable power supplies for user load.

This series product is a powerful adaptability, flexible configuration of the product, USES the advanced DSP digital control technology, effectively enhance the product performance and system reliability, and realize the integration and miniaturization of high frequency density, at the same time to meet the personalized needs of users in all directions, provides a very rich extensible function, users can according to need to be flexible configuration.

Main features

Intelligent control panel

- ◆ UPS display panel using the 35 degrees adjustable drawing design, display directly, easy to use, to satisfy multiple points of view operating in different use site.

Flexible configuration, Change for you.

- ◆ Abundant extended function, meet the requirements of different customers.
- ◆ Online maintenance function: Safty maintenance with continuous power supply for loads.
- ◆ Remote Power-off: Fast turn off UPS when emergency occurs.
- ◆ Optional parallel components: Parallel capacity and redundancy of parallel function, to provide users flexibility of the power planning and more security guarantee.
- ◆ Dustproof components: Improve product level of prevention in the industrial environment.
- ◆ Isolation transformer: Provide isolation protection for users.

Integration, Miniaturization, low noise

- ◆ Adopt advanced DSP digital control technology, improve power density enormously, reduce product area, save your time. Besides, the silencer device, better environment protection.

Intelligent management

- ◆ Intelligent Battery Management: Advanced intelligent charging control, select the optimum charging mode with the type and state of battery, automatic charging and discharging regularly.
- ◆ Users can see and set UPS parameters if needed.
- ◆ Automatic identification and adapt to 50/60 Hz power supply system, meet the requirements of different power systems.
- ◆ Alarm High-low Battery Input Voltage Protection Function: Alarms in case of the battery input voltage too high or too low. As the battery continuously go up or down out of the normal range, UPS will alarm and stop input or transfer to bypass mode to ensure the battery life and protect user equipment.

High reliability

- ◆ Adopt advanced DSP digital control technology, more superior performance, more reliable quality.
- ◆ Excellent ability of load and overload, perfect compatibility, apply to different loads.
- ◆ Outstanding antijam, accord with IEC61000-4, provide clean power environment.

Abundant Communication Interface

- ◆ RS232 communication port and monitoring software for local or remote battery management.
- ◆ Provide intelligent slot, user can add the webpower card (SNMP card) , CMC card,SA400 card (dry connect) of baykee to realize the remote management and monitoring functions.