BAYKEE
Provide High-quality Power For Global Industry

1/1, 3/1 Phase High Frequency Online UPS 6-20kVA





Tower model with stand



Production line



Assembly and testing



Finished units

HS (HTS) Series Brief

HS (HTS) series is an online double-conversion UPS. HS covers 6kVA to 10kVA (single-phase input, single-phase output); HTS covers 10kVA to 20kVA (three-phase input, single-phase output).

The series is built on a 16-bit high-speed CPU and 40kHz high-frequency technology, giving a small, light, efficient UPS with zero transfer time and pure sine-wave output. Operation status is shown directly on the LCD, and digital self-detection and protection support remote monitoring. It is the power guard for data processing centres, host systems, integrated computer networks, ISP services, telecom and computer rooms.

Main Features

- High frequency, online double conversion
- UPS operation, load and battery status shown on the LCD
- Input power factor correction (PFC), less pollution to the utility grid
- 0.8 output power factor for stronger loads
- High-precision SMD technology for circuit reliability
- Intelligent battery management, extends battery life
- RS232 communication port, optional USB / SNMP card
- Self-diagnosis at power-on
- Optional standard battery bank or extension battery bank
- 35-degree adjustable LCD display panel
- Intelligent digital control for higher stability
- Wide input voltage range, compatible with different utilities
- Wide input frequency range for different power supply equipment
- Cold start
- Silencer device for a better environment
- Input line and neutral detection
- Supports Windows, Windows Net, LAN Manager and other software

Application

- Data processing centres
- ISP services
- Computer rooms
- Host systems and integrated computer networks
- Telecom

HS (HTS) UPS Technical Specifications

	Model	HS-6KS	HS-6KH	HS-6KRH	HS-10KS	HS-10KH	HS-10KRH	HTS-10KH	HTS-15KH	HTS-20KH
	Capacity	6kVA	6kVA	6kVA	10kVA	10kVA	10kVA	10kVA	15kVA	20kVA
	Power Watt	4800W	4800W	4800W	8000W	8000W	8000W	8000W	12kW	16kW
	Phase (In / Out)	1/1	1/1	1/1	1/1	1/1	1/1	3/1	3/1	3/1
Input	Voltage Range (VAC)	120-275	120-275	120-275	120-275	120-275	120-275	275-475	275-475	275-475
Input	Frequency Range	46-54Hz or 56-64Hz								
Input	Power Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.95	0.95	0.95
Output	Output Voltage	220VAC ±1% (battery mode)								
Output	Frequency Range	47~53Hz or 57~63Hz (synchronised range), 50/60Hz ±0.3Hz (battery mode)								
Output	Output Power Factor	0.8								
Output	Crest Factor	3:1								
Output	Harmonic Distortion	≤2% THD (linear load)								
Output	Transfer Time	AC-DC: 0ms; inverter to bypass: 4ms (typical)								
Output	Waveform	Pure sine wave								
Output	Overload Capacity	105-125%: transfer to bypass after 1min; 125-135%: transfer to bypass after 30s and disconnect output after 1min; >135%: transfer to bypass after 0.5s								
Efficiency	AC Mode	89%								
Efficiency	Battery Mode	88%								
Battery	DC Voltage	192VDC								
Battery	Built-in Battery Capacity (standard)	12V 7Ah	-	12V 9Ah	-	12V 9Ah	-	-	-	-
Battery	Battery Quantity	16								
Battery	Charge Time (standard)	7h to 90%	7h to 90%	7h to 90%	9h to 90%	9h to 90%	9h to 90%	-	-	-
Battery	Max. Charging Current (standard)	1.0A	1.0A	1.0A	1.0A	1.0A	1.0A	4.0A	4.0A	4.0A
Battery	Charging Voltage	219.2VDC ±1%								
Battery	Long-backup Models (HS)	External battery bank, capacity and quantity depend on the external battery; max. charging current 4.0A; charging voltage 219.2VDC ±1%								
Physical	Size (D×W×H) mm	520×248×616	520×240×460	647×484×130	520×248×616	520×240×460	647×484×130	248×520×616	248×520×616	248×520×616
Physical	Rack Height	-	-	3U	-	-	3U	-	-	-
Physical	Weight (kg)	57	19.5	19.5	58.5	21.5	21.5	28.5	36.5	36.5
General	LCD or LED Display	Load, battery capacity, AC mains mode, battery mode, bypass mode, fault indicator								
General	Audible Alarm	Battery mode: once every 4s; battery low: once every 1s; overload: once every 0.5s; faults: continuous beep								
General	Humidity	20-90% RH @ 0-40°C (non-condensing)								
General	Noise @1m	<55dB	<55dB	<55dB	<55dB	<55dB	<55dB	<58dB	<58dB	<58dB
General	Smart RS232 (Optional USB)	Supports Windows 2000/2003/XP/Vista/2008/7, Linux, Unix								
General	Optional SNMP	SNMP card for remote control, part no. DT520								

Product specifications are subject to change without further notice.