



**Application:**  
Server and other  
networking equipment

### Control Panel



- 1 LCD
- 2 ON/OFF Button
- 3 Self-test/Silence Button
- 4 Scroll Button
- 5 Normal
- 6 Alarm
- 7 Abnormal

### Rear Panel



### Features:

- ⊙ High frequency and double conversion on-line
- ⊙ Fully digitized microprocessor control
- ⊙ Wide input voltage range
- ⊙ LCD display
- ⊙ Cold start
- ⊙ Parallel capacity
- ⊙ Advanced battery management
- ⊙ Automatic battery charge in UPS off mode
- ⊙ Lightning and surge protection
- ⊙ Short circuit and overload protection
- ⊙ Fan speed auto control when loads varies
- ⊙ Optional extension battery pack
- ⊙ EMI/RFI noise filter
- ⊙ Smart Rs232 with monitoring software
- ⊙ Optional SNMP Card slot

- 1 RS232
- 2 Fan
- 3 Input breaker
- 4 Terminal block
- 5 SNMP slot
- 6 Parallel port
- 7 Battery socket
- 8 Maintenance switch
- 9 Active wheel

### Specifications:

Model		MID10KH3H1	MID15KH3H1	MID20KH3H1
<b>Capacity</b>		10KVA/7KW	15KVA/10.5KW	20KVA/14KW
<b>Input</b>	Voltage Range	304±5VAC~478±5VAC		
	Frequency Range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz auto sensing		
	Phase	Three phase		
	Power Factor	≥0.95		
<b>Output</b>	Voltage Range	220Vac±1%		
	Phase	Single phase		
	Frequency Range	50Hz/60Hz±0.2%(battery mode)		
	THD (linear load)	<2%		
	THD (non-linear load)	<6%		
	Overload Capability	105%~130%, 10min turn to bypass mode; >130%, 1s turn to bypass mode		
	Crest Factor	3:1(max)		
	Short Circuit Protection	5 cycles turn off inverter, no transfer to bypass, provide alarm (AC mode) 5 cycles turn off inverter, provide alarm (battery mode) input fuse blown or breaker action (bypass mode)		
	Waveform	pure sine wave		
	Transfer Time Between AC Mode and Battery Mode	0ms		
	Transfer Time Between AC Mode and Bypass Mode	0ms		
Efficiency	≥88%			
<b>Battery</b>	Model	12V sealed lead acid maintenance free		
	DC Voltage	240VDC		
	Configuration	20×12V/7AH	External battery bank	
	Backup Time (half load)	13min	Depends on the external battery capacity	
	Backup Time (full load)	5min	battery capacity	
	Charge Current(standard unit)	1A	N/A	
	Charge Current(long time unit)	5A		
Recharge Time	90% capacity after 8 hrs charging			
<b>Communication Interface</b>		RS232 ; SNMP (optional)		
<b>Parallel port</b>		Parallel availability for redundancy and load sharing up to three units		
<b>LCD Indication</b>		1, Input voltage/frequency, battery voltage, output voltage/frequency, load watt/VA value and percent, inverter temperature 2, Operation mode such as "on line," "on batt", or "on bypass"		
<b>LED Indication</b>		1, Green LED for normal operation, 2, Yellow LED for warning condition 3, Red LED for abnormal operation		
<b>Noise Level</b>		<55dB		
<b>Environment</b>	Temperature	0~40℃		
	Humidity	0%~95% (non-condensing)		
	Altitude	<1500m		
	Storage Temperature	0~40℃		
<b>Other</b>	Standard Unit H.W/G.W(kg)	92/107	N/A	
	Long Time Unit N.W/G.W (kg)	36/46	56/65	
	Unit Dimension(W×D×H) mm	270×570×720		
	Packing Dimension(W×D×H) mm	370×670×940		