

CNH110 SERIES Tower Online UPS 1-3kVA

1/2/3kVA

1 Phase Input/1 Phase Output



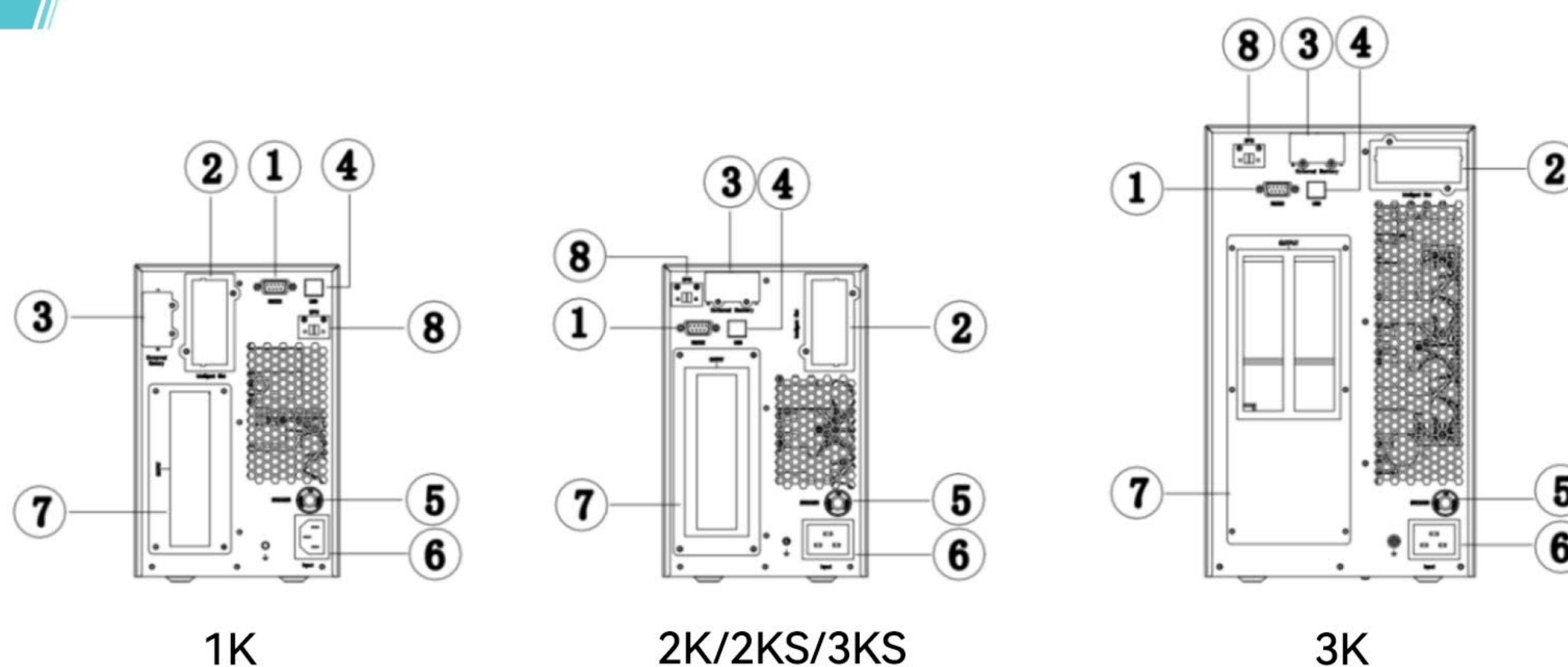
Features

- True online double-conversion technology
- Wide input voltage range
- DSP technology
- Advanced PFC technology, input PF>99%
- Strong charging capacity
- Lighting and surge protection
- LCD/LED display
- Smart RS232 and USB Ports with monitoring software

Application

IDC (Internet Data Center), Network, Servers and Workstations, Control System, Communication System, Office, PC etc.

Rear Panel



- | | | |
|--|---|-----------|
| <p>1K</p> <ul style="list-style-type: none"> ① RS232 ② Smart slot ③ External battery connection port ④ USB | <p>2K/2KS/3KS</p> <ul style="list-style-type: none"> ⑤ Input over current protection breaker ⑥ AC input ⑦ Output socket ⑧ EPO | <p>3K</p> |
|--|---|-----------|

Specifications

Model	CNH110 1K	CNH110 1KS	CNH110 2K	CNH110 2KS	CNH110 3K	CNH110 3KS
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	208/ 220/230/240Vac, L+N+PE					
Voltage Range	110~300Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤4% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	208/220/230/240Vac,L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (linear load); ≤5% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Factor	3:1					
Overload Capacity (Line Mode)	102%~110% load, 30min; 110%~130% load, 10min; 130%~150% load, 30s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~110% load, 1min; 110%~130% load, 10s; 130%~150% load, 3s; >150% load, 200ms					
Efficiency						
Line Mode	94.5%		95.5%		95.5%	
Battery Mode	88.5%		91.5%		91.5%	
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc /36Vdc	36Vdc	48Vdc /72Vdc	72Vdc	72Vdc / 96Vdc	96Vdc
Battery Number	7Ah*2 / *3	External	7Ah*4 / *6	External	7Ah*6/*8	External
Charge Current	1A	1-12A settable	1-12A	1-12A settable	1A	1-12A settable
Communication						
Interface	RS232 / USB / SNMP card(optional) /Dry contact card(optional)					
Environment						
Operation Temperature	0~40℃					
Humidity	0~95%(non-condensing)					
Noise	≤50dB@1meter away					
Altitude	Up to 1000m without derating					
Physical						
Dimensions (W*D*H)mm	145*354*224	145*354*224	190*418*322	145*405*224	190*418*322	145*405*224
Weight (kg)	9 /11	4.5	16.3 /20.2	6	23.5 /27	6.3

All specifications are subject to change without prior notice.



CNH110 SERIES TOWER ONLINE UPS 6-10kVA

6/10kVA

1 Phase Input/1 Phase Output



6/10KS



6/10K

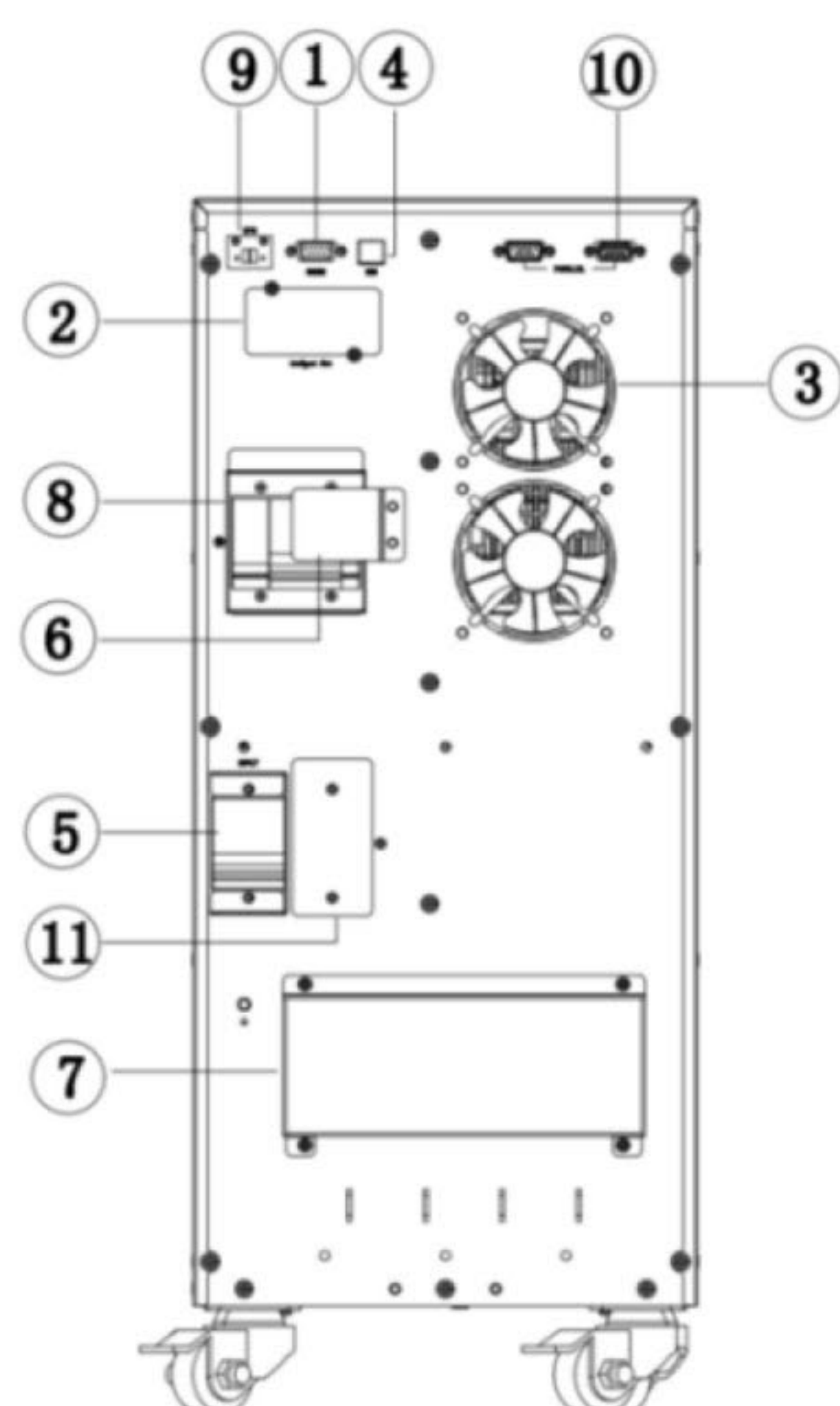
Features

- True online double-conversion technology
- Wide input voltage range
- DSP based technology
- Advanced PFC technology, input PF>99%
- Strong charging capacity
- Lighting and surge protection
- LCD/LED display
- Compatible with the generator

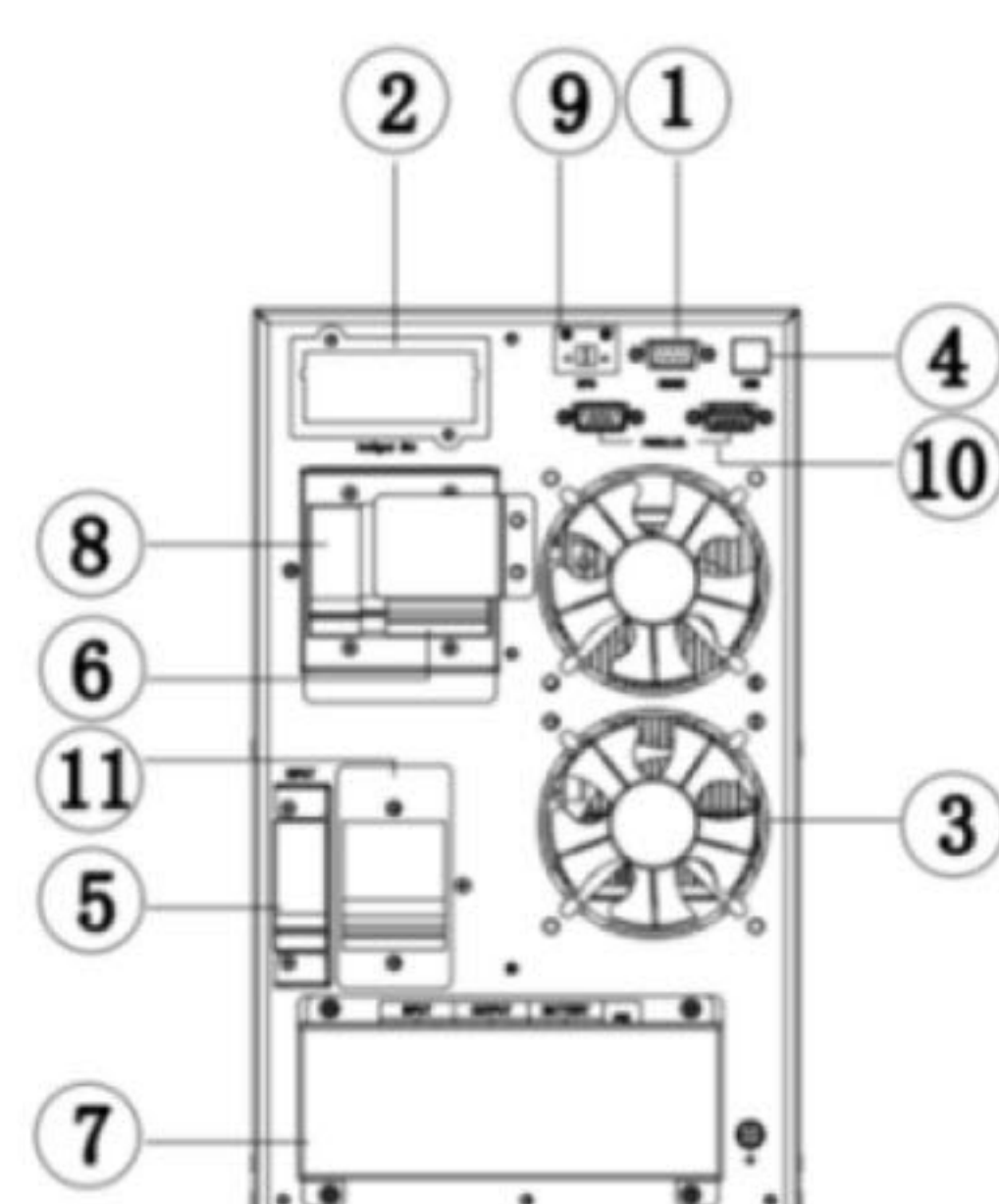
Application

IDC (Internet Data Center), Network, Servers and Workstations, Control System, Communication System, Office, PC etc.

Rear Panel



6K/10K



6KS/10KS

- ① RS232
- ② Smart slot
- ③ Fan
- ④ USB
- ⑤ Input breaker
- ⑥ Maintenance bypass breaker (optional)
- ⑦ Terminal block
- ⑧ Output breaker (optional)
- ⑨ EPO
- ⑩ Parallel kit (optional)
- ⑪ Battery breaker (optional)

Specifications

Model	CNH110 6K	CNH110 6KS	CNH110 10K	CNH110 10KS
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Rated Voltage	208/ 220/230/240Vac, L+N+PE			
Voltage Range	110~300Vac			
Frequency Range	40-70Hz			
Power Factor	≥0.99			
THDi	≤5%(linear load); ≤8%(non-linear load)			
Output				
Rated Voltage	208/220/230/240Vac, L+N+PE			
Voltage Regulation	±1%			
Frequency	50/60Hz±0.1%			
THDu	≤2% (linear load); ≤5% (non-linear Load)			
Transfer Time	Zero			
Waveform	Pure sine wave			
Crest Ratio	3:1			
Overload Capacity (Line Mode)	102%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 500ms			
Overload Capacity (Battery Mode)	102%~105% load, 10min; 105%~125% load, 1min; 125%~150% load, 10s; >150% load, 500ms			
Battery				
Battery Type	Sealed lead acid maintenance free			
Nominal Voltage	192Vdc / 240Vdc			
Battery Number	7Ah*16/20pcs	External	9Ah*16/20pcs	External
Charge Current	1A	1-12A settable	1A	1-12A settable
Efficiency				
Line Mode	95%			
Battery Mode	94.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / USB/ SNMP card(optional) /Dry contact card (optional)			
Environment				
Operation Temperature	0~40℃			
Humidity	0~95%(non-condensing)			
Noise	≤50dB@1meter away			
Altitude	Up to 1000m without derating			
Physical				
Dimensions (W*D*H) mm	250*523*602	190*437*322	250*523*602	190*437*322
Weight (kg)	57/67	10	61.3/71.5	11

All specification are subject to change without prior notice.



CNH110R SERIES RACK ONLINE UPS 1-3kVA

1/2/3kVA

1 Phase Input/1 Phase Output



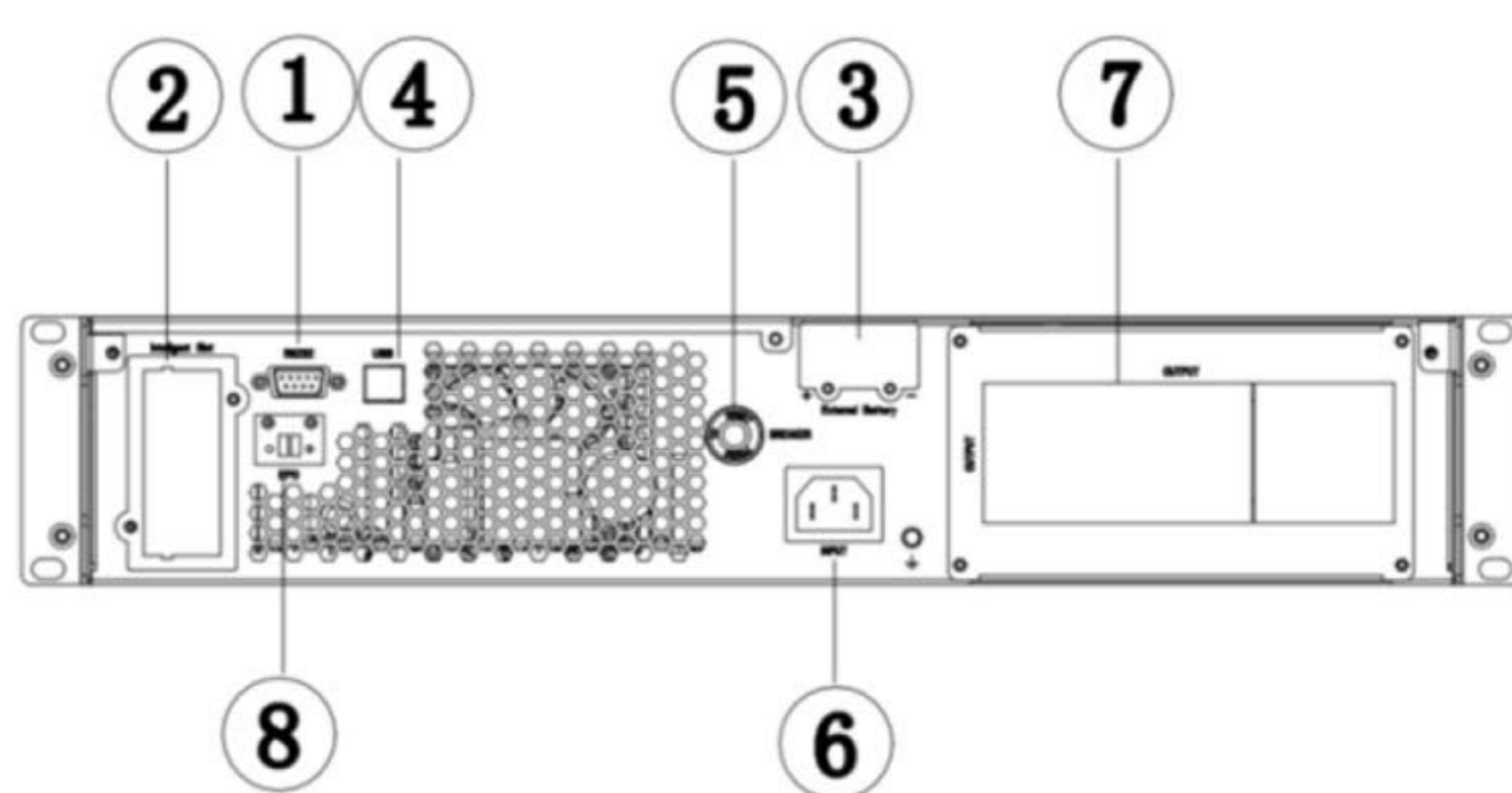
Features

- True online double-conversion technology
- Wide input voltage range
- DSP technology
- Advanced PFC technology, input PF>99%
- Strong charging capacity
- Lightning and surge protection
- Smart RS232 and USB Ports with monitoring software

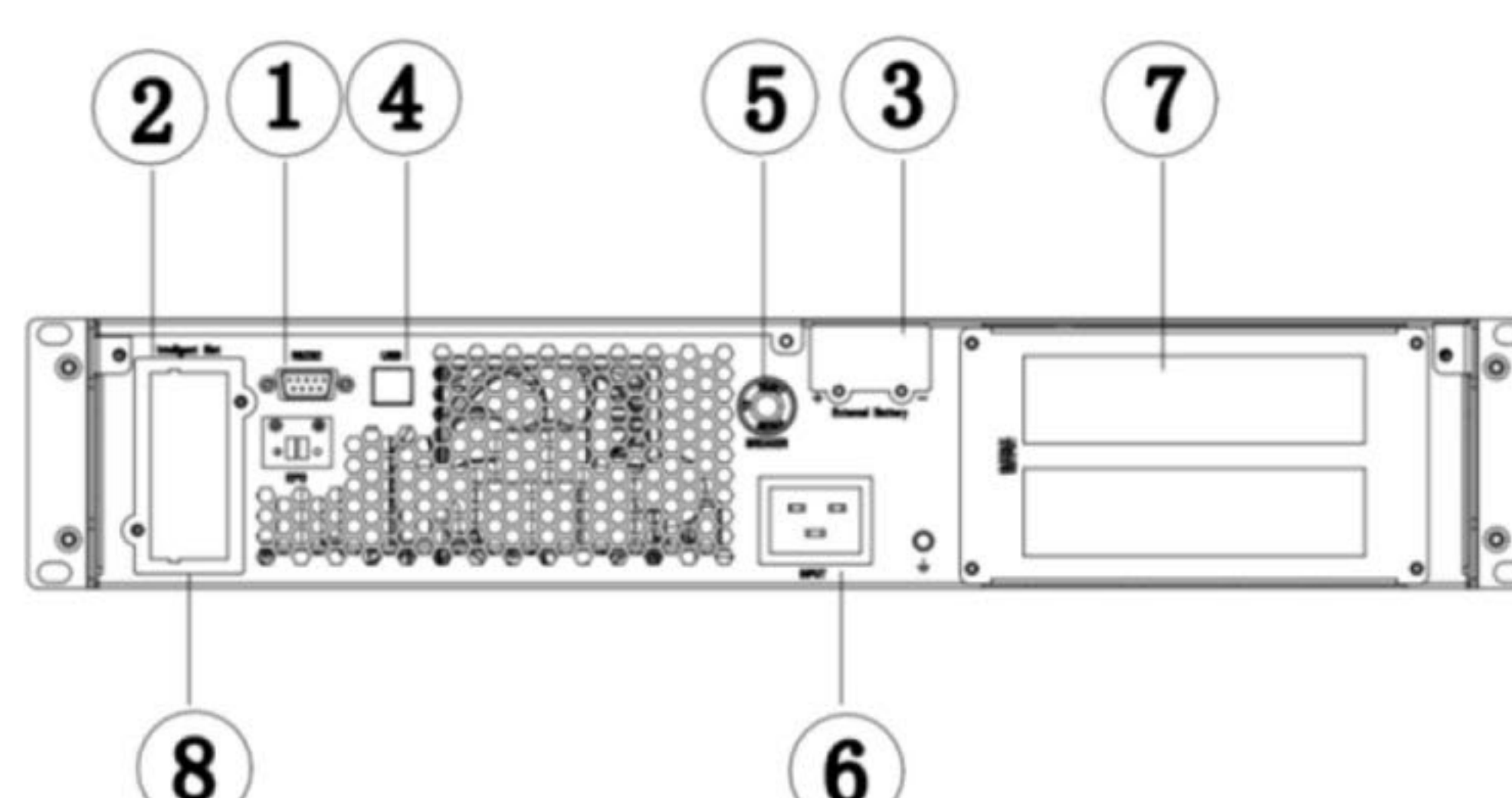
Application

IDC (Internet Data Center), Network, Servers and Workstations, Control System, Communication System, Office, PC etc.

Rear Panel



1K/1KS



2K/2KS/3K/3KS

- ① RS232
- ② Smart slot
- ③ External battery connection port
- ④ USB

- ⑤ Input over current protection breaker
- ⑥ AC input
- ⑦ Output socket
- ⑧ EPO

Specifications

Model	CNH110R 1K	CNH110R 1KS	CNH110R 2K	CNH110R 2KS	CNH110R 3K	CNH110R 3KS
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	208/ 220/230/240Vac, L+N+PE					
Voltage Range	110~300Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤4% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	208/220/230/240Vac ,L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (linear load); ≤5% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Factor	3:1					
Overload Capacity (Line Mode)	102%~110% load, 30min; 110%~130% load, 10min; 130%~150% load, 30s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~110% load, 1min; 110%~130% load, 10s; 130%~150% load, 3s; >150% load, 200ms					
Efficiency						
Line Mode	94.5%		95.5%		95.5%	
Battery Mode	88.5%		91.5%		91.5%	
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc/ 36Vdc		48Vdc/ 72Vdc		72Vdc/ 96Vdc	
Battery Number	7Ah*2/*3pcs	External	7Ah*4/6pcs	External	7Ah*6/8pcs	External
Charge Current	1A	1-12A	1A	1-12A	1A	1-12A
Communication						
Interface	RS232 / USB/ SNMP card(optional) /Dry contact card(optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95%(non-condensing)					
Noise	≤50dB@1meter away					
Altitude	Up to 1000m without derating					
Physical						
Dimensions (W*D*H)mm	440*379*86	440*379*86	440*568*86	440*450*86	440*719*86	440*450*86
Weight (kg)	11.1 /13	6	18.7 /22.5	8	24.4 /27.8	10.8

All specifications are subject to change without prior notice.



CNH110R SERIES RACK ONLINE UPS 6-10kVA

6/10kVA

1 Phase Input/1 Phase Output



Features

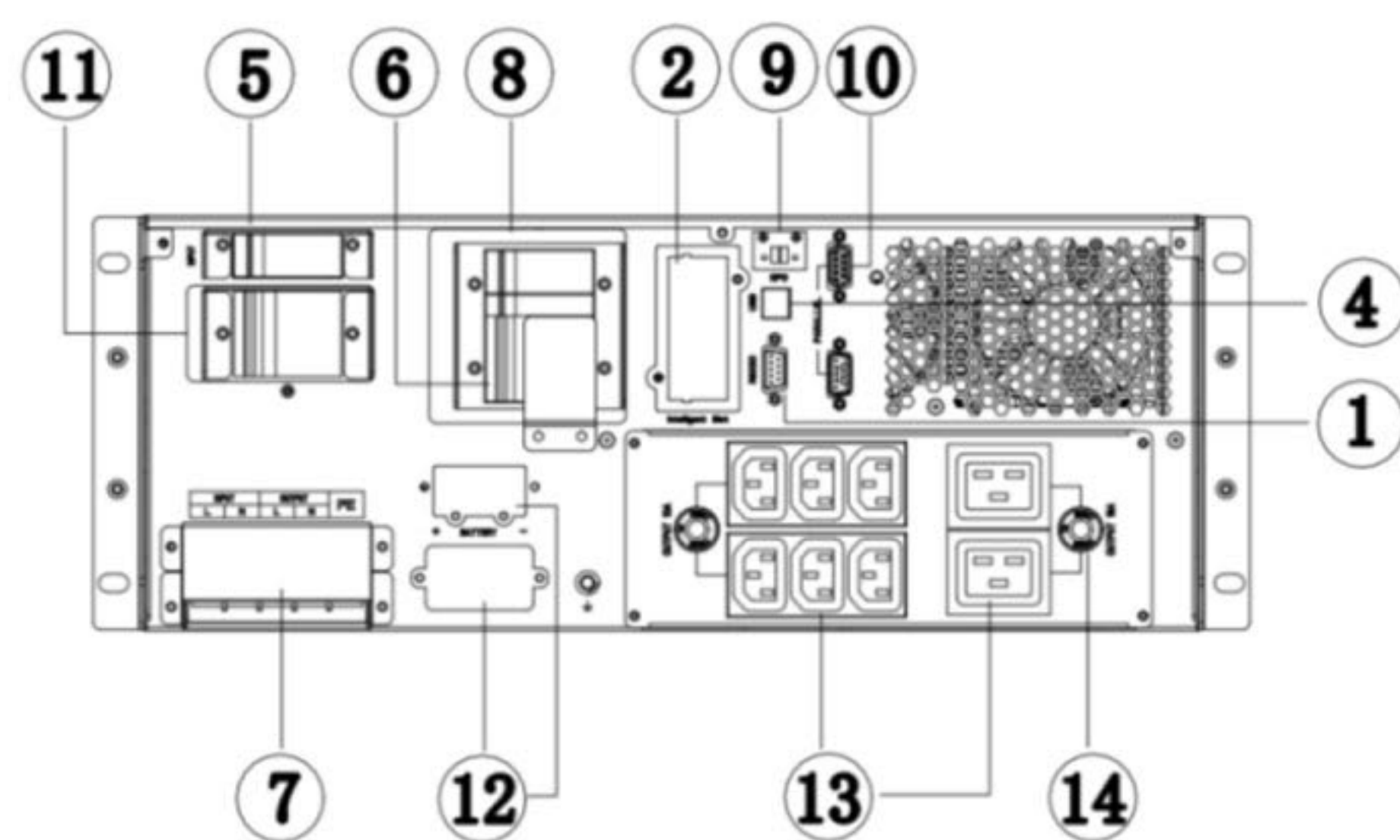
- True online double-conversion technology
- Wide input voltage range and stable power supply extends battery lifetime
- DSP based technology
- Advanced PFC technology, input PF>99%
- Lighting and surge protection
- LCD/LED display
- Support generator connection



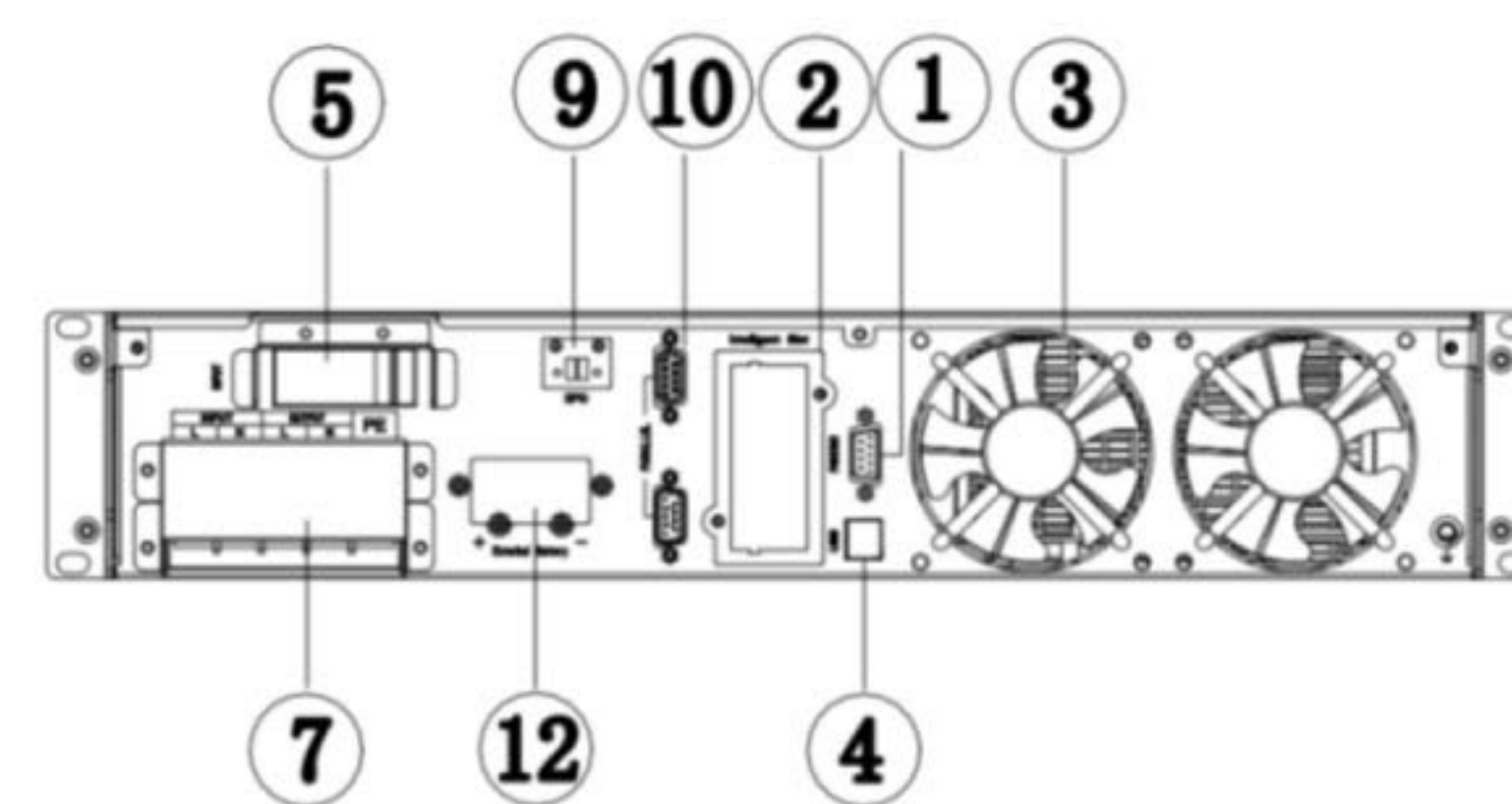
Application

IDC (Internet Data Center), Network, Servers and Workstations, Control System, Communication System, Office, PC etc.

Rear Panel



6K/10K



6KS/10KS

- | | |
|------------------------------|--|
| ① RS232 | ⑧ Output breaker |
| ② Smart slot | ⑨ EPO |
| ③ Fan | ⑩ Parallel port |
| ④ USB | ⑪ Battery breaker |
| ⑤ Input breaker | ⑫ External battery connection port |
| ⑥ Maintenance bypass breaker | ⑬ Output socket |
| ⑦ Terminal block | ⑭ Output over current protection breaker |



Specifications

Model	CNH110R 6K	CNH110R 6KS	CNH110R 10K	CNH110R 10KS
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Rated Voltage	208/ 220/230/240Vac, L+N+PE			
Voltage Range	110~300Vac			
Frequency Range	40-70Hz			
Power Factor	≥0.99			
THDi	≤5%(linear load); ≤8%(non-linear load)			
Output				
Rated Voltage	208/220/230/240Vac, L+N+PE			
Voltage Regulation	±1%			
Frequency	50/60Hz±0.1%			
THDu	≤2% (linear load); ≤5% (non-linear Load)			
Transfer Time	Zero			
Waveform	Pure sine wave			
Crest Ratio	3:1			
Overload Capacity (Line Mode)	102%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 500ms			
Overload Capacity (Battery Mode)	102%~105% load, 10min; 105%~125% load, 1min; 125%~150% load, 10s; >150% load, 500ms			
Battery				
Battery Type	Sealed lead acid maintenance free			
Nominal Voltage	192Vdc / 240Vdc			
Battery Number	7Ah*16pcs	External	9Ah*16pcs	External
Charging Current	1A	1-12A settable	1A	1-12A settable
Efficiency				
Line Mode	95%			
Battery Mode	94.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / USB/ SNMP card(optional) /Dry contact card (optional)			
Environment				
Operation Temperature	0~40℃			
Humidity	0~95%(non-condensing)			
Noise	≤50dB@1meter away			
Altitude	Up to 1000m without derating			
Physical				
Dimensions (W*D*H) mm	440x753x173	440x487x86	440x753x173	440x487x86
Weight (kg)	58	11	61.3	12

All specifications are subject to change without prior notice.

