

CNH110R SERIES RACK ONLINE UPS 1-3kVA

1/2/3kVA

1 Phase Input/1 Phase Output



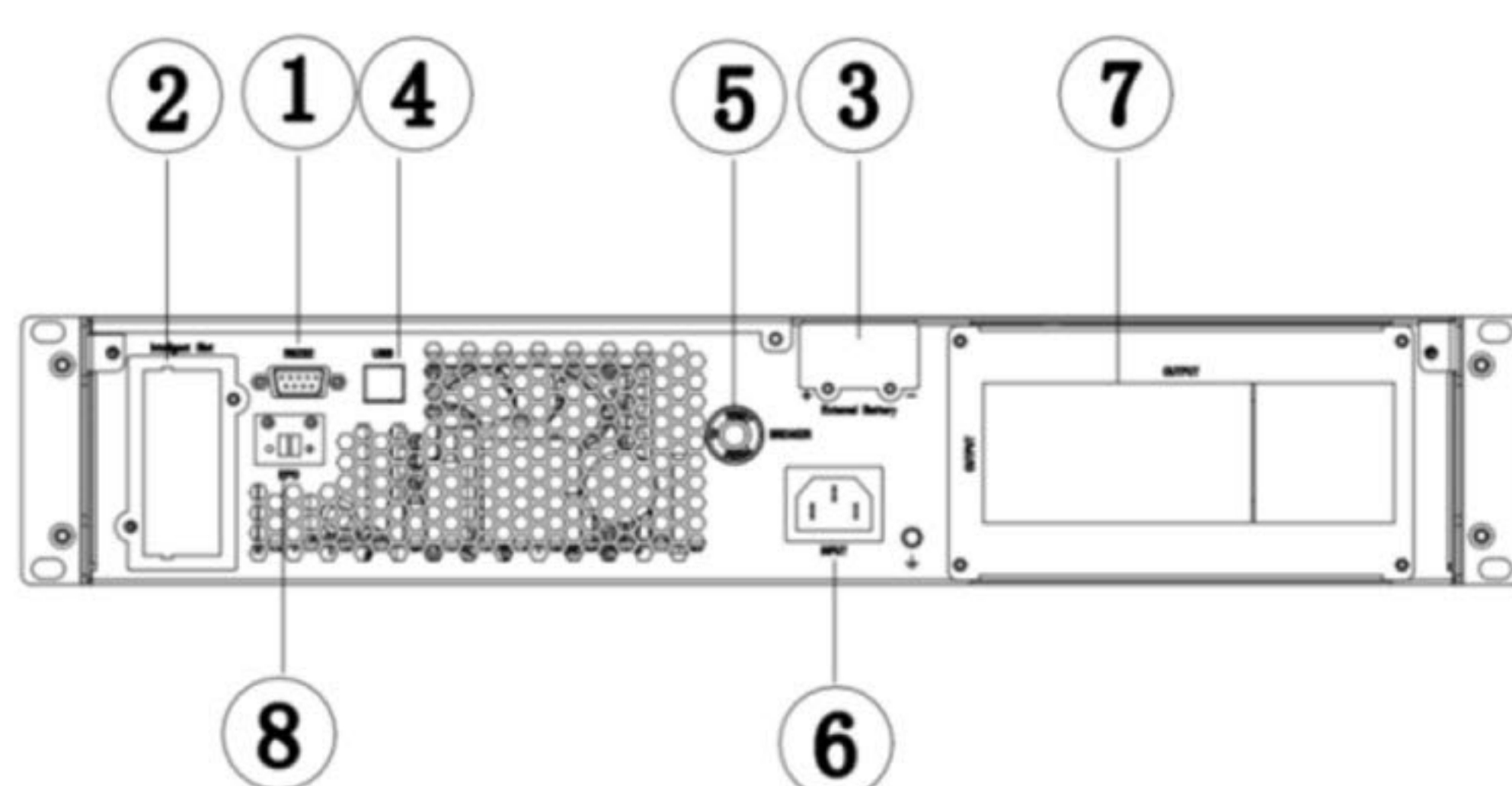
Features

- 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

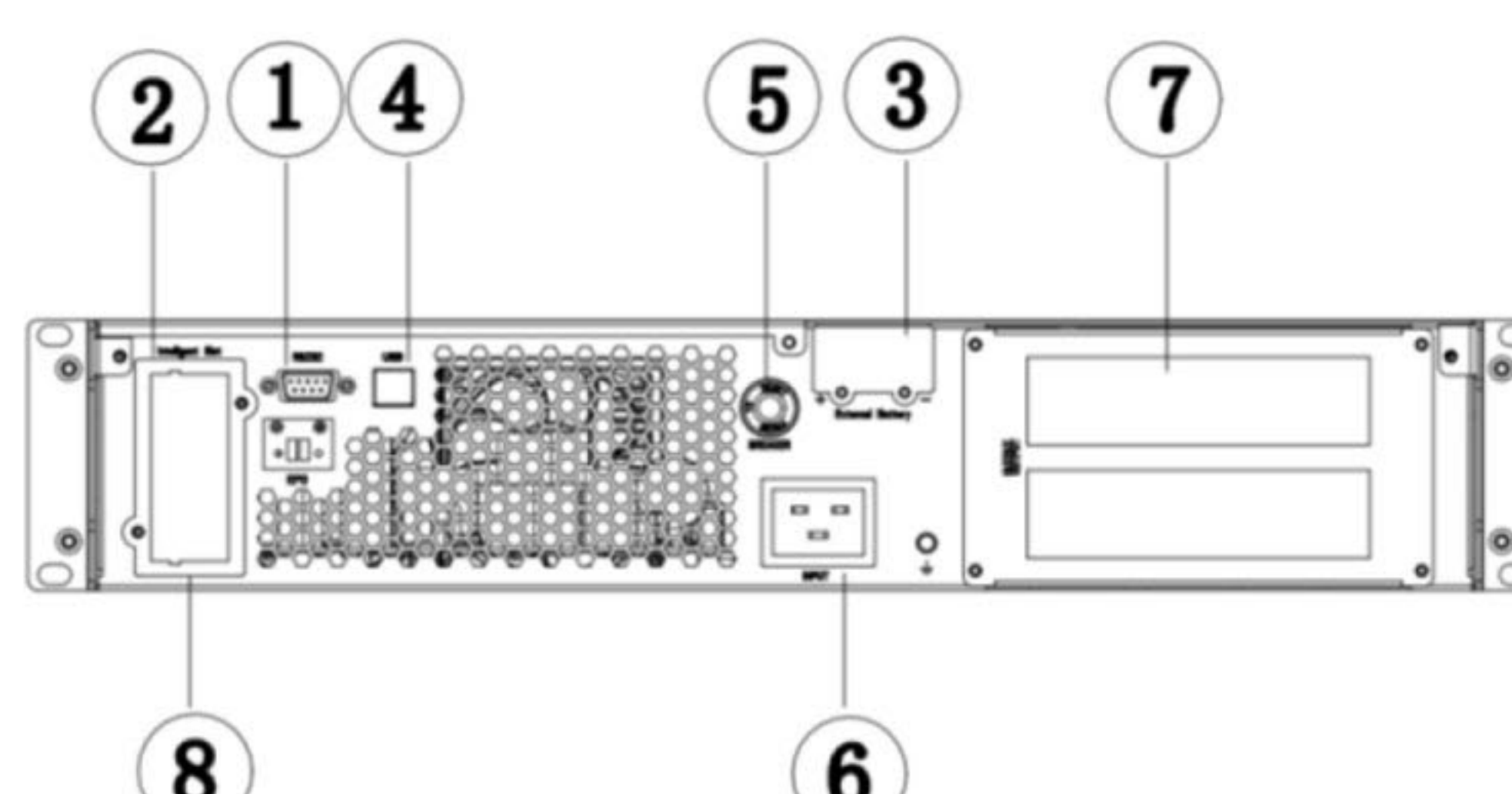
IDC (Internet Data Center), Network, Servers and Workstations, Control System, Communication System, Office, PC etc.

Rear Panel



1KS/1KL

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



2KS/2KL/3KS/3KL

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

Model	CNH110R 1KS	CNH110R 1KL	CNH110R 2KS	CNH110R 2KL	CNH110R 3KS	CNH110R 3KL
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℃					
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



PF=1



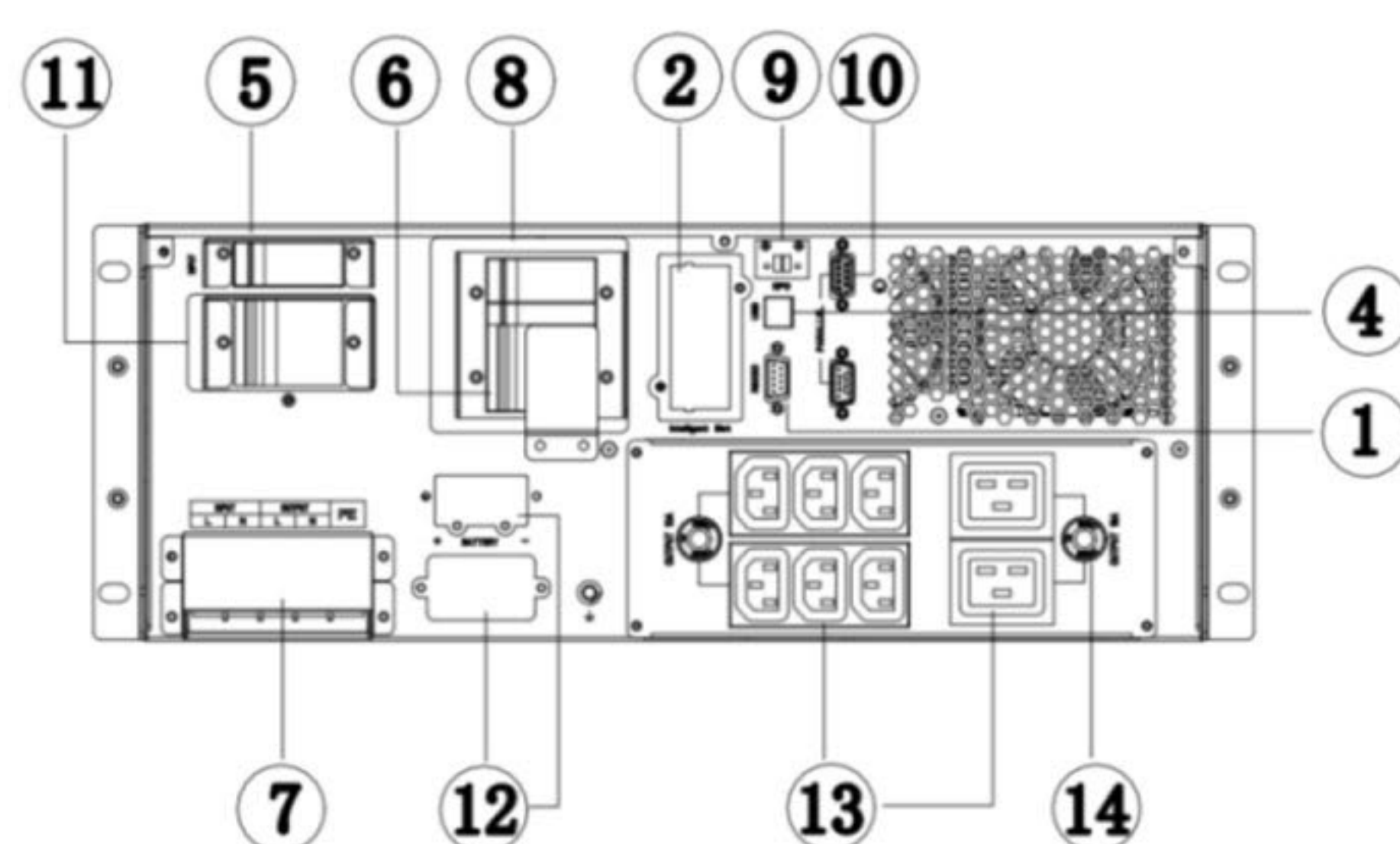
Features

- 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

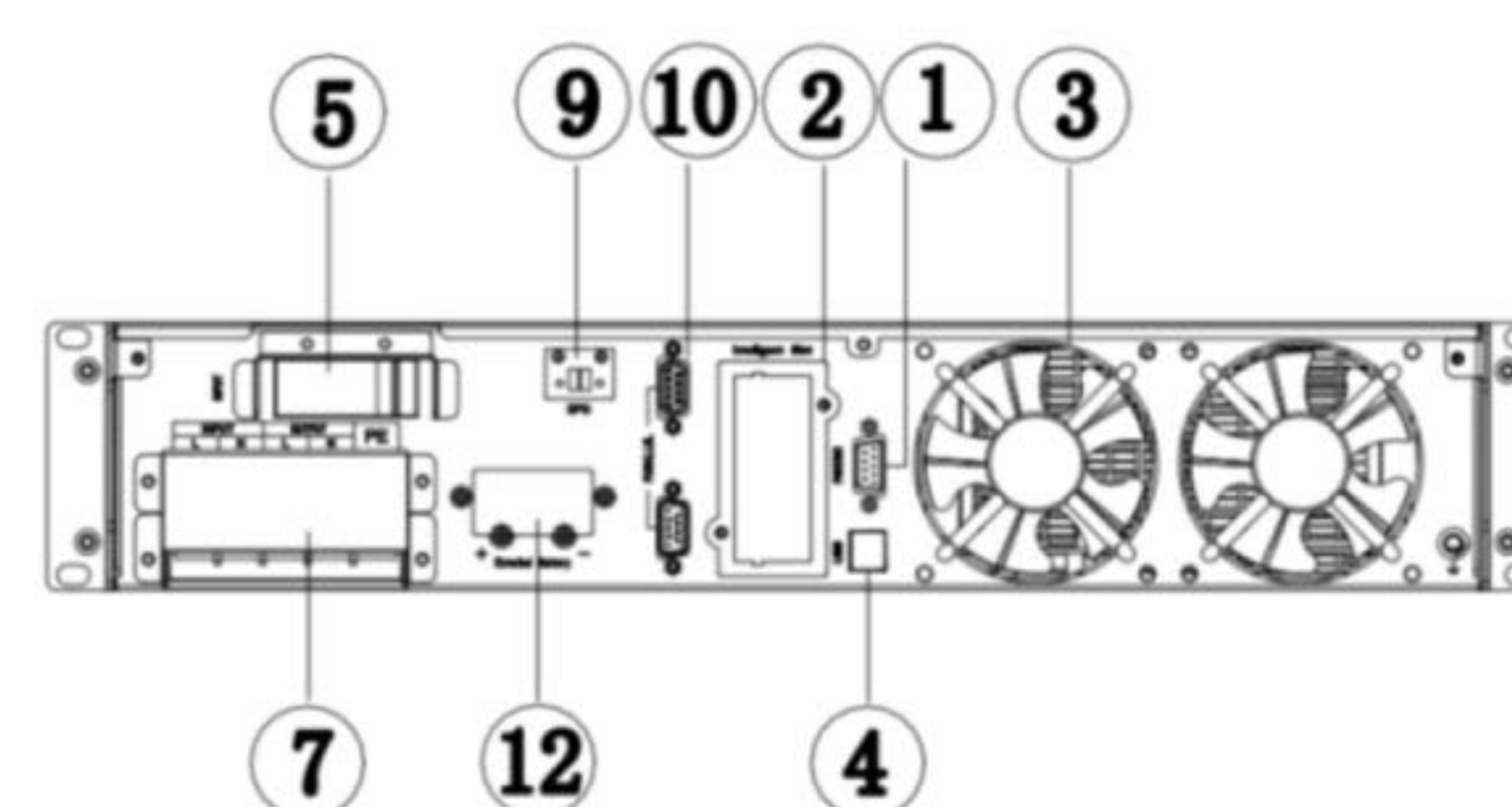
Application

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

Rear Panel



6KS/10KS



6KL/10KL

- | | |
|------------------------------|--|
| 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 6KS	CNH110R 6KL	CNH110R 10KS	CNH110R 10KL
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

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CNBR SERIES Battery Cabinet



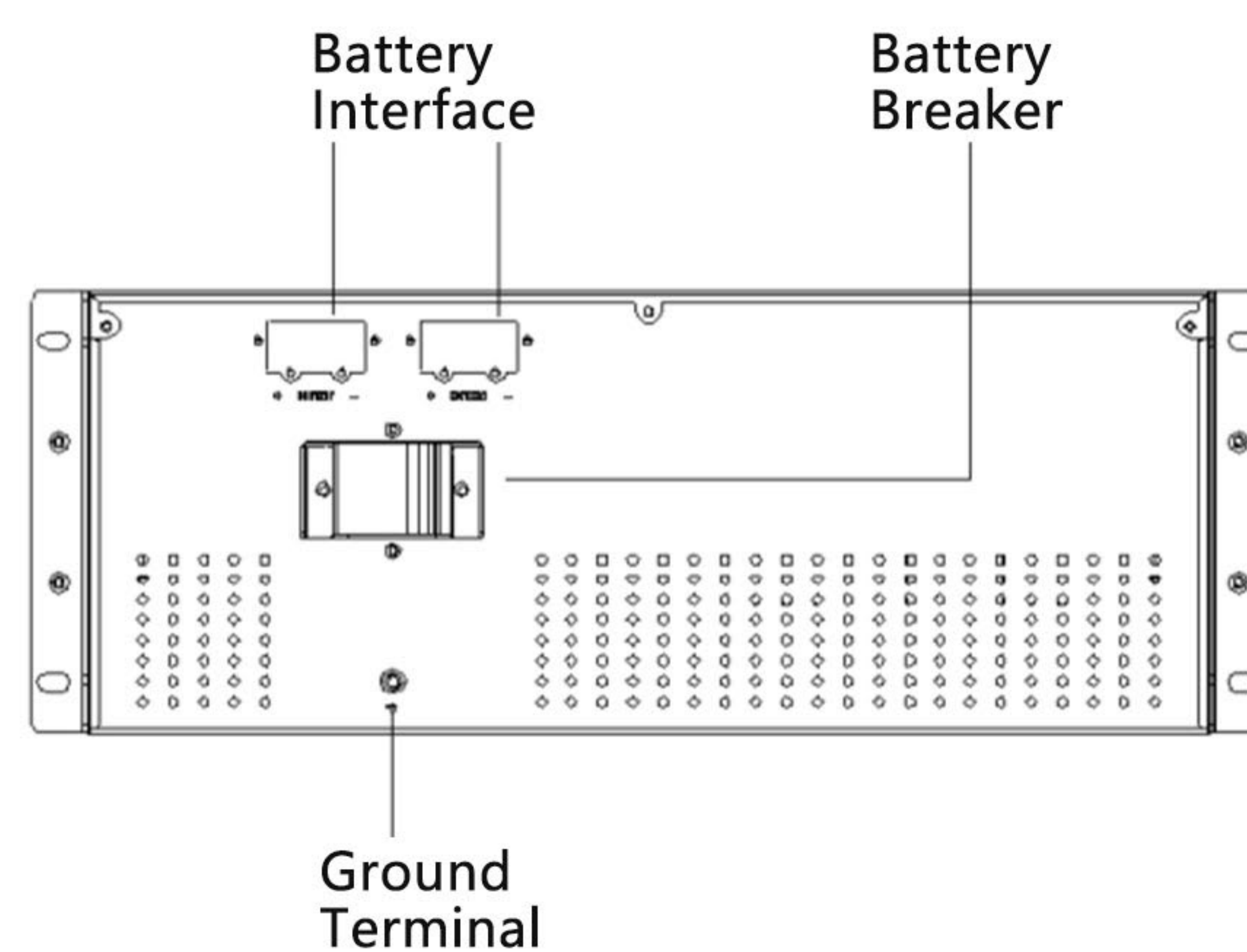
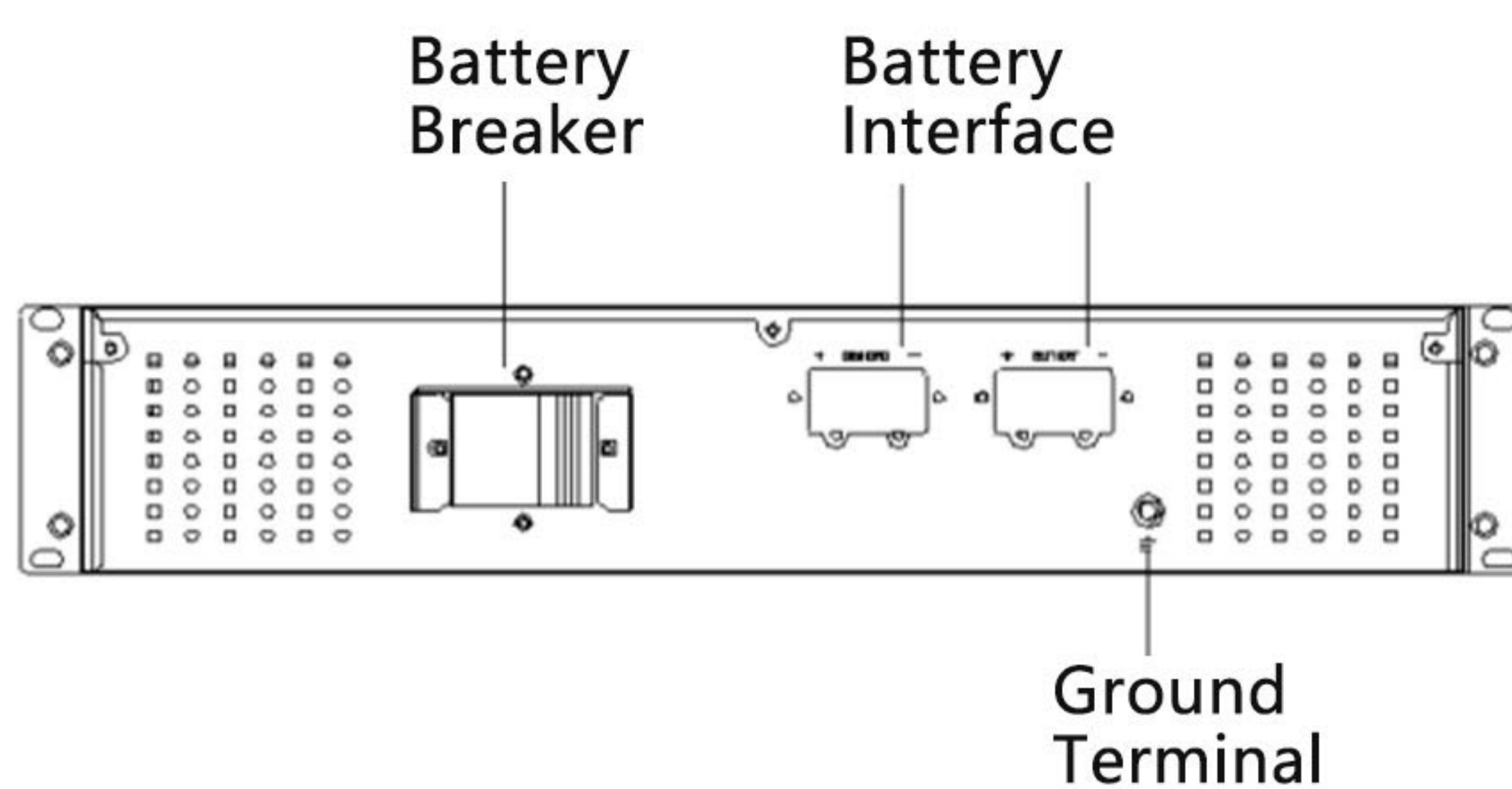
Introduction

The battery cabinets are made up with the plastic front-panels and the steel enclosures, they can perfectly match up with single phase 1-20KVA UPS.

Features

- The appearance of the battery cabinet is similar to the UPS's, looking nice
- Anderson terminals are used to connect the UPS and the battery cabinet, easy connection
- The battery cabinet is configured with battery breaker, more safer in use

Rear Panel



Specifications

Model	Voltage of Battery String (Vdc)	Battery Quantity (pcs)	Battery Capacity (Ah)	Size of Battery Breaker (A)	Size of Battery Cable (AWG)	Weight (kg)	Dimension (W*D*H)mm
CNBR24-7AH	24	2	7	63	10	9	440*446*86
CNBR24-9AH	24	2	9	63	10	12	
CNBR24-7AH	24	4	7	63	10	16	
CNBR24-9AH	24	4	9	63	10	17	
CNBR36-7AH	36	3	7	32	10	14	
CNBR36-9AH	36	3	9	32	10	15	
CNBR36-7AH	36	6	7	32	10	21	
CNBR36-9AH	36	6	9	32	10	22	
CNBR48-7AH	48	4	7	63	10	16	
CNBR48-9AH	48	4	9	63	10	17	
CNBR48-7AH	48	8	7	63	10	26	
CNBR48-9AH	48	8	9	63	10	28	
CNBR72-7AH	72	6	7	63	10	21	
CNBR72-9AH	72	6	9	63	10	22	
CNBR96-7AH	96	8	7	63	10	26	
CNBR96-9AH	96	8	9	63	10	28	
CNBR192-7AH-2U	192	16	7	63	10	48	440*767*86
CNBR192-9AH-2U	192	16	9	63	10	51	440*446*173
CNBR192-7AH-4U	192	16	7	63	10	49	
CNBR192-9AH-4U	192	16	9	63	10	52	
CNBR192-7AH-4U-20K	192	16	7	125	6	50	
CNBR192-9AH-4U-20K	192	16	9	125	6	53	
CNBR240-7AH-4U	240	20	7	63	10	59	
CNBR240-9AH-4U	240	20	9	63	10	63	
CNBR240-7AH-4U-20K	240	20	7	125	6	60	
CNBR240-9AH-4U-20K	240	20	9	125	6	64	

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