



UN11 Series High Frequency Online UPS(1/2/3kVA)

UN11 Series High Frequency Online UPS(6/10kVA)

UN31 Series High Frequency Online UPS (10/15/20kVA)

UNR11 Series High Frequency Online UPS(1/2/3kVA)

UNR11 Series High Frequency Online UPS(6/10kVA)

UT11 Series High Frequency Online UPS(1/2/3kVA)

UT11 Series High Frequency Online UPS(6/10kVA)

UTR11 Series High Frequency Online UPS(1/2/3kVA)

Intelligent network power

UN11 Series High Frequency Online UPS

1/2/3kVA 1Phase Input/1Phase Output

Application

IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office, PC etc

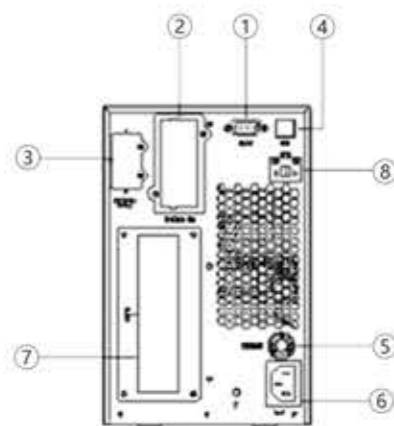


Feature

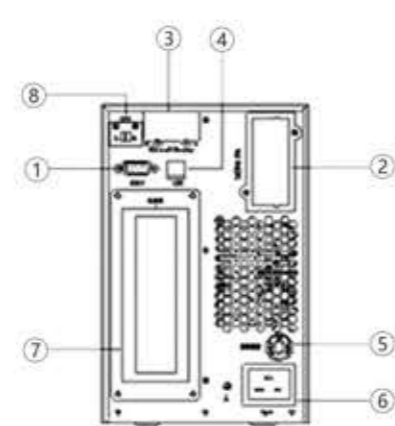
- True online double-conversion technology
- Advanced PFC technology, input PF>99%
- Smart RS232 port with monitoring software
- Wide input voltage range
- Lighting and surge protection
- DSP technology
- Automatic battery charging on/off mode
- Cold start

Real Panel

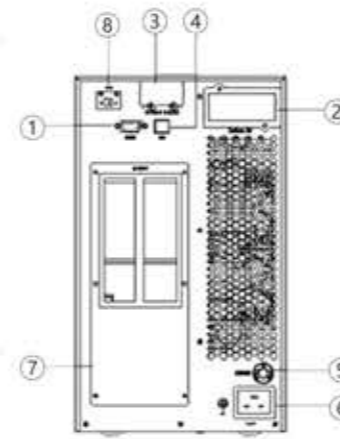
- ① RS232
- ② Smart slot
- ③ External battery connection port
- ④ USB
- ⑤ Input over current breaker
- ⑥ AC input
- ⑦ Output socket
- ⑧ EOP



1KS(L)



2KS(48Vdc)/2KL/3KL



2KS(72Vdc)/3KS

Specification

MODEL	UN1101KS	UN1101KL	UN1102KS	UN1102KL	UN1103KS	UN1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
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						
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	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms					
Waveform	Pure Sine Wave					
Overlord Capacity	Line Mode: 30min@102%~110% load 10min@110%~130% load 30s@130%~150% load 200ms@>150% load		Battery Mode: 1min@102%~110% load 10s@110%~130% load 3s@130%~150% load 200ms@>150% load			
Crest Factor	3:1					
Efficiency						
Line Mode	94.5%		95.5%		95.5%	
Battery Mode	87.5%@24Vdc 88.5%@36Vdc	88.5%	89.5%@48Vdc 91.5%@72Vdc	91.5%	91.5%	
ECO Mode	98%					
Battery						
Battery Voltage	24/36Vdc	36Vdc	48/72Vdc	72Vdc	72/96Vdc	96Vdc
Battery Number	12V 9AH*2/3pcs	External	12V 9AH*4/6pcs	External	12V 9AH*6/8pcs	External
Rated Charge	1A	1-12A settable	1A	1-12A settable	1A	1-12A settable
Communication						
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤50dB					
Altitude	The altitude should not exceed 1000m,and the height above 1000m should be reduced to a maximum of 4000m.Refer to IEC62040					
Physical						
Dimension (W*D*H)mm	145x282x224(24Vdc) 145x405x224(36Vdc)	145x282x224	145x405x224(48Vdc) 190*418*322(72Vdc)	145x405x224	190X418x322	145x405x224
Weight (kg)	8.6/10	4	15.6/18.5	6.4	22.5/25	8.2

UN11 Series High Frequency Online UPS

6/10kVA 1Phase Input/1Phase Output

Application

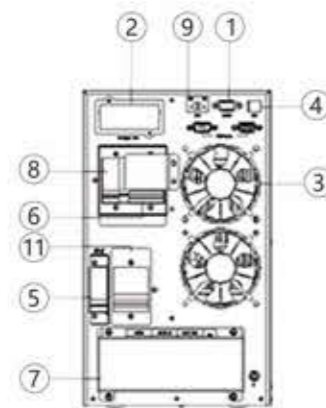
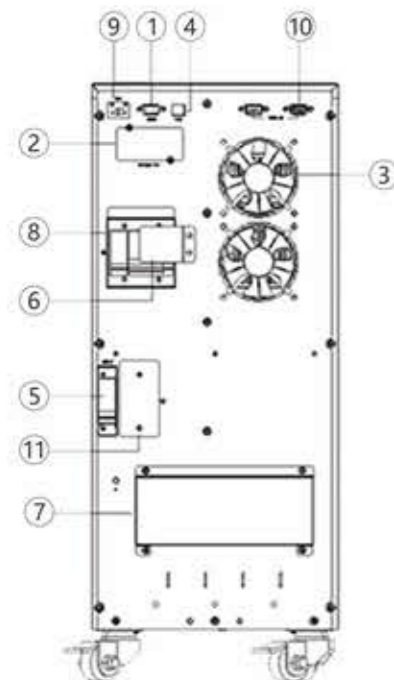
IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

Feature

- True online double-conversion technology
- DSP based technology
- Advanced PFC technology,input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range



Real Panel



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

Specification

MODEL	UN1106KS	UN1106KL	UN1110KS	UN1110KL
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Nominal Voltage	208/ 220/230/240Vac, L+N+PE			
Voltage Range	110~300Vac			
Frequency	40-70Hz			
Power Factor	≥0.99			
THDi	≤5%(Linear load); ≤8%(Non-linear load)			
Output				
Nominal Voltage	208/220/230/240Vac ,L+N+PE			
Voltage Regulation	±1%			
Frequency	50/60Hz ± 0.1%			
THDu	≤2% THD (Linear Load); ≤5% THD (Non-linear Load)			
Transfer Time	Line mode to battery mode, 0ms, Inverter mode to bypass mode, 4ms			
Crest Ratio	3:1			
Overlord Capacity	Line Mode: 30min @102%~105% Load 10min @105%~125% Load 30s @125%~150% Load 500ms @>150% Load		Battery Mode: 10min @102%~105% Load 1min @105%~125% Load 10s @125%~150% Load 500ms @>150% Load	
Battery				
Battery Type	Sealed lead acid maintenance free			
Voltage	192Vdc / 240Vdc			
Battery Number	12V 7Ah*16/20pcs	External	12V 9Ah*16/20pcs	External
Charge Current	1A (1-12A settable)	1-12A settable	1A (1-12A settable)	1-12A settable
Charging Mode	Two/Three-period Charging			
Efficiency				
Line Mode	95%			
Battery Mode	94.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)			
Environment				
Operation Temperature	0~40°C			
Humidity	0~95% (non-condensing)			
Audible Noise	≤50dB			
Altitude	The altitude should not exceed 1000m,and the height above 1000m should bereduced to a maximum of 4000m.Refer to IEC62040			
Physical				
Dimension (W*D*H)mm	250*523*602	190*437*322	250*523*602	190*437*322
Weight (kg)	68/75.8	15	75/84.2	17

UN31 Series High Frequency Online UPS

10/15/20kVA 3Phase Input/1Phase Output

Application

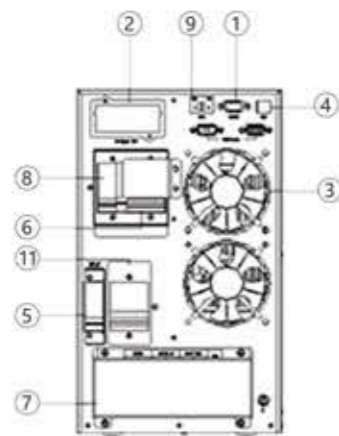
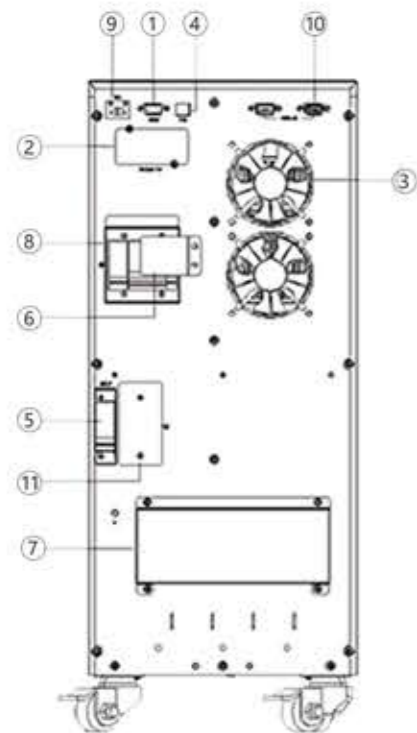
IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

Feature

- True online double-conversion technology
- DSP based technology
- Advanced PFC technology,input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range



Real Panel



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

Specification

MODEL	UN3110KS	UN3110KL	UN3115KS	UN3115KL	UN3120KS	UN3120KL
Capacity	10kVA/10kW		15kVA/15kW		20kVA/20kW	
Input						
Nominal Voltage	380/ 400/230/415Vac(L-L Voltage), 3Ph+N+PE					
Voltage Range	305~520Vac(L-L Voltage)@100%load;305~190Vac,linearly derating from 100% to 50% load					
Frequency	40-70Hz					
Power Factor	≥0.99					
THDi	≤4%(Linear load); ≤5%(Non-linear load)					
Output						
Nominal Voltage	208/220/230/240Vac ,L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% THD (Linear Load); ≤5% THD (Non-linear Load)					
Transfer Time	Line mode to battery mode, 0ms, Inverter mode to bypass mode, 4ms					
Crest Ratio	3:1					
Overlord Capacity	Line Mode: 30min @102%~105% Load 10min @105%~125% Load 30s @125%~150% Load 500ms @>150% Load		Battery Mode: 10min @102%~105% Load 1min @105%~125% Load 10s @125%~150% Load 500ms @>150% Load			
Battery						
Battery Type	Sealed lead acid maintenance free					
Voltage	192Vdc / 240Vdc					
Battery Number	9Ah*16pcs	External	9Ah*16pcs	External	9Ah*16pcs*2	External
Charge Current	1A	1-12A settable	1A	1-12A settable	2A	1-12A settable
Charging Mode	Two/Three-period Charging					
Efficiency						
Line Mode	94%					
Battery Mode	92%					
ECO Mode	98%					
Communication						
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤60dB					
Altitude	The altitude should not exceed 1000m,and the height above 1000m should bereduced to a maximum of 4000m.Refer to IEC62040					
Physical						
Dimension (W*D*H)mm	250x500x620	250x500x940	250x500x620	250x500x940	250x500x620	250x500x620
Weight (kg)	32	32	99	33	100	35

UNR11 Series High Frequency Online UPS

1/2/3kVA 1Phase Input/1Phase Output

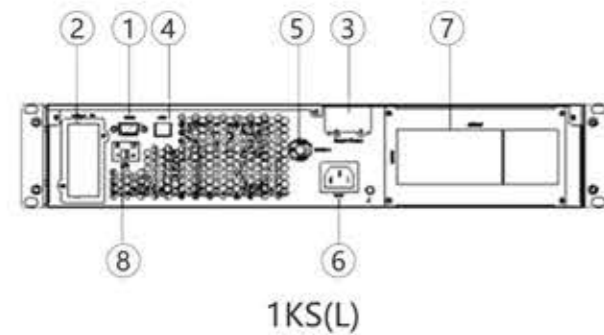
Application

IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

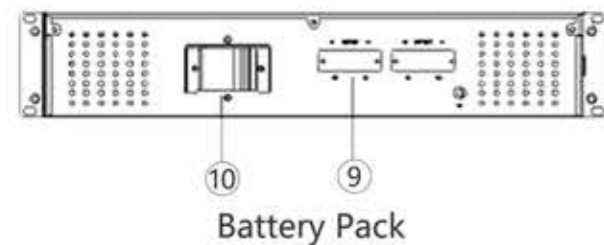
Feature

- True online double-conversion technology
- DSP technology
- Advanced PFC technology, input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range

Real Panel



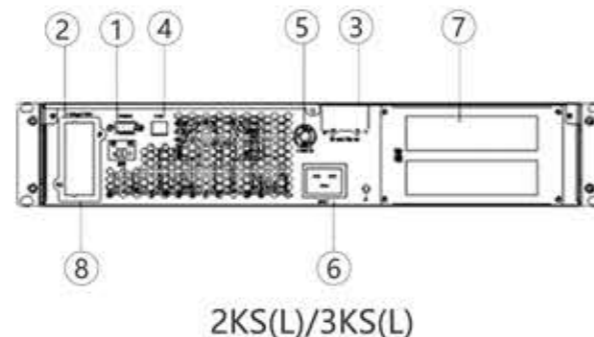
1KS(L)



Battery Pack



- ① RS232
- ② Smart slot (optional)
- ③ External battery connection port
- ④ USB
- ⑤ Input over current protection breaker
- ⑥ AC Input
- ⑦ Output socket
- ⑧ EPO
- ⑨ Battery interface
- ⑩ Battery breaker



2KS(L)/3KS(L)

Specification

MODEL	UNR1101KS	UNR1101KL	UNR1102KS	UNR1102KL	UNR1103KS	UNR1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
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						
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	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms					
Waveform	Pure Sine Wave					
Overlord Capacity	Line Mode: 30min@102%~110% load 10min@110%~130% load 30s@130%~150% load 200ms@>150% load			Battery Mode: 1min@102%~110% load 10s@110%~130% load 3s@130%~150% load 200ms@>150% load		
Crest Factor	3:1					
Efficiency						
Line Mode	94.5%		95.5%		95.5%	
Battery Mode	87.5%@24Vdc	88.5%	89.5%@48Vdc	91.5%	91.5%	
	88.5%@36Vdc		91.5%@72Vdc			
ECO Mode	98%					
Battery						
Battery Voltage	24/36Vdc	36Vdc	48/72Vdc	72Vdc	72/96Vdc	96Vdc
Battery Number	12V 9AH*2/3pcs	External	12V 9AH*4/6pcs	External	12V 9AH*6/8pcs	External
Rated Charge	1A	1-12A	1A	1-12A settable	1A	1-12A settable
Communication						
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤50dB					
Altitude	The altitude should not exceed 1000m,and the height above 1000m should be reduced to a maximum of 4000m.Refer to IEC62040					
Physical						
Dimension (W*D*H)mm	440*379*86	440*379*86	440*450*86(48Vdc) 440*568*86(72Vdc)	440*450*86	440*568*86(72Vdc) 440*719*86(96Vdc)	440*450*86
Weight (kg)	8.6/10	4	15.6/18.5	6.4	22.5/25	8.2

UNR11 Series High Frequency Online UPS

6/10kVA 1Phase Input/1Phase Output

Application

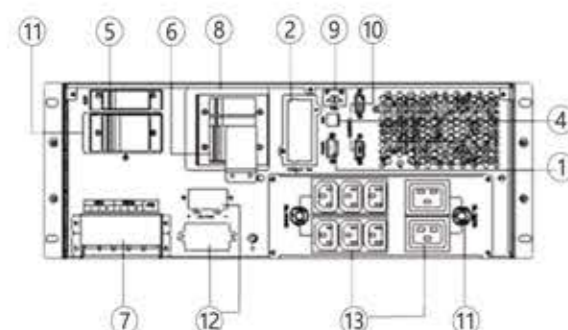
IDC(Internet Dater Center), network, servers and workstations,control system, communication system, office , PC etc

Feature

- True online double-conversion technology
- DSP based technology
- Advanced PFC technology,input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range



Real Panel

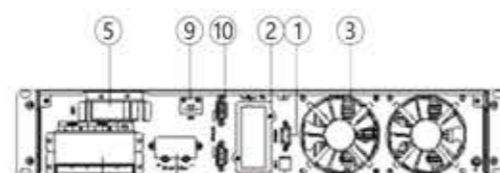


6KS/10KS

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



Battery pack



6KL/10KL

Specification

MODEL	UNR1106KS	UNR1106KL	UNR1110KS	UNR1110KL
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Nominal Voltage	208/ 220/230/240Vac, L+N+PE			
Voltage Range	110~300Vac			
Frequency	40-70Hz			
Power Factor	≥0.99			
THDi	≤5%(Linear load); ≤8%(Non-linear load)			
Output				
Nominal 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	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms			
Crest Ratio	3:1			
Overlord Capacity	Line Mode: 30min @102%~105% Load 10min @105%~125% Load 30s @125%~150% Load 500ms @>150% Load		Battery Mode: 10min @102%~105% Load 1min @105%~125% Load 10s @125%~150% Load 500ms @>150% Load	
Battery				
Battery Type	Sealed lead acid maintenance free			
Voltage	192Vdc / 240Vdc			
Battery Number	9Ah*16pcs	External	9Ah*16pcs	External
Charge Current	1A	1-12A settable	1A	1-12A settable
Charging Mode	Two/Three-period Charging			
Efficiency				
Line Mode	95%			
Battery Mode	94.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)			
Environment				
Operation Temperature	0~40°C			
Humidity	0~95% (non-condensing)			
Audible Noise	≤50dB			
Altitude	The altitude should not exceed 1000m,and the height above 1000m should be reduced to a maximum of 4000m.Refer to IEC62040			
Physical				
Dimension (W*D*H) mm	440x487x172	440x487x86	440x487x172	440x487x86
Weight (kg)	52	15	54	17

UT11 Series High Frequency Online UPS

1/2/3kVA 1Phase Input/1Phase Output

Application

IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

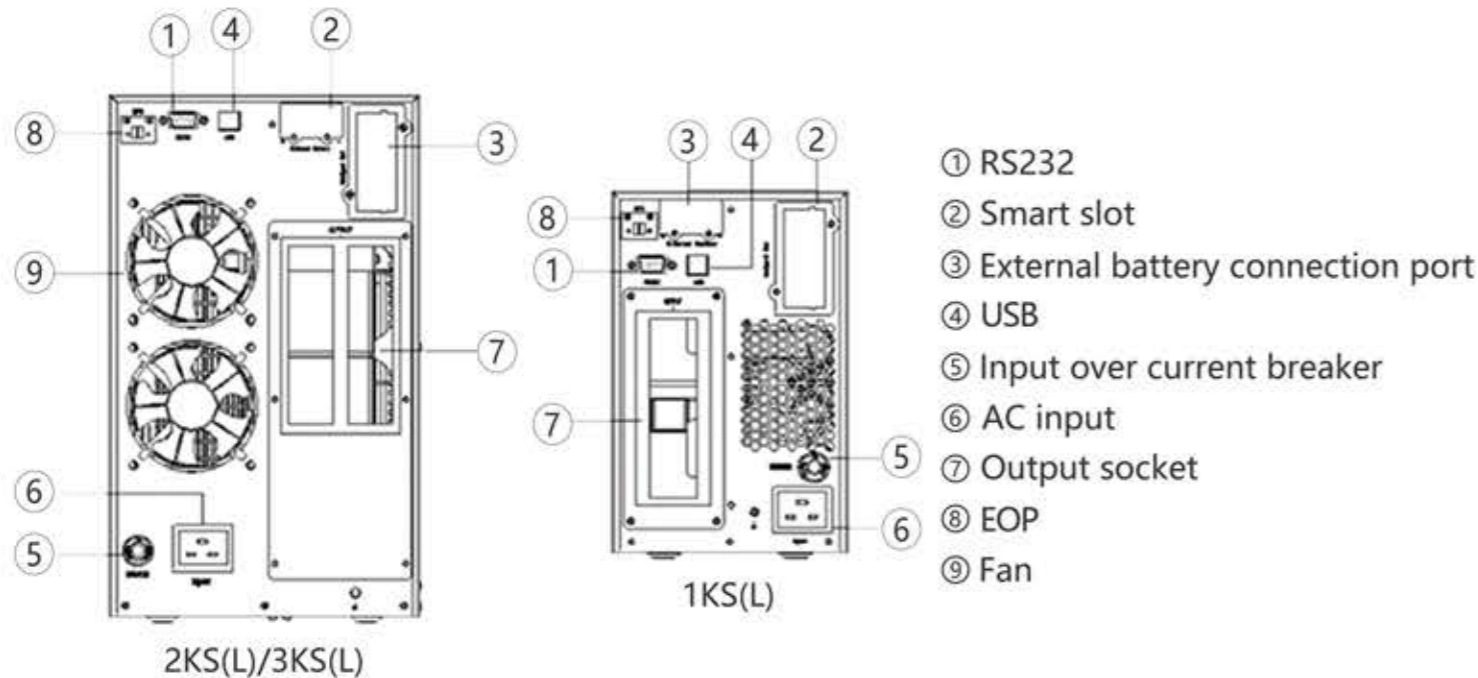
Feature

- True online double-conversion technology
- DSP technology
- Advanced PFC technology, input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range



PF1

Real Panel



Specification

MODEL	UT1101KS	UT1101KL	UT1102KS	UT1102KL	UT1103KS	UT1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Range	55~150Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤4% (Linear load); ≤5% (Non-linear load)					
Output						
Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (Linear load); ≤5% (Non-linear load)					
Transfer Time	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms					
Waveform	Pure Sine Wave					
Overlord Capacity	Line Mode: 10min@102%~110% load 1min@110%~130% load 310s@130%~150% load 200ms@>150% load			Battery Mode: 1min@102%~110% load 10s@110%~130% load 3s@130%~150% load 200ms@>150% load		
Crest Factor	3:1					
Efficiency						
Line Mode	93.5%		94.5%		94.5%	
Battery Mode	89.5%@24Vdc 90.5%@36Vdc	90.5%	92.5%@48Vdc 93.5%@72Vdc	93.5%	93.5%	92.5%
ECO Mode	98%					
Battery						
Battery Voltage	24/36Vdc	36Vdc	48/72Vdc	48/72Vdc	72/96Vdc	72/96Vdc
Battery Number	12V 9AH*2/3pcs	External	12V 9AH*4/6pcs	External	12V	External
Rated Charge	1A	1-12A settable	1A	1-12A settable	1A	1-12A
Communication						
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤50dB					
Altitude	The altitude should not exceed 1000m,and the height above 1000m should be reduced to a maximum of 4000m.Refer to IEC62040					
Physical						
Dimension (W*D*H)mm	145*405*224	145*282*224	190*410*322	190*410*322	190*410*322 190*570*322	190*410*322
Weight (kg)	10.7/13	5.7	19.2/23.8	8.6	24/30	8.8

UT11 Series High Frequency Online UPS

6/10kVA 2-Phase Input/2-Phase Output

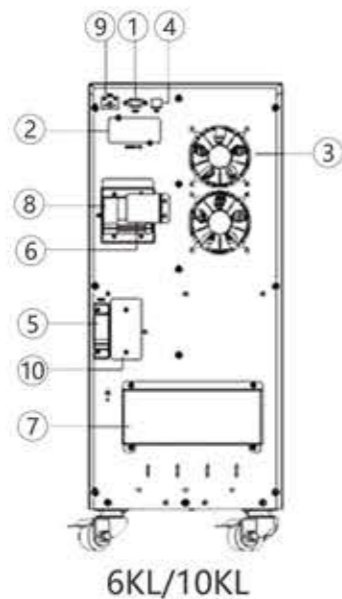
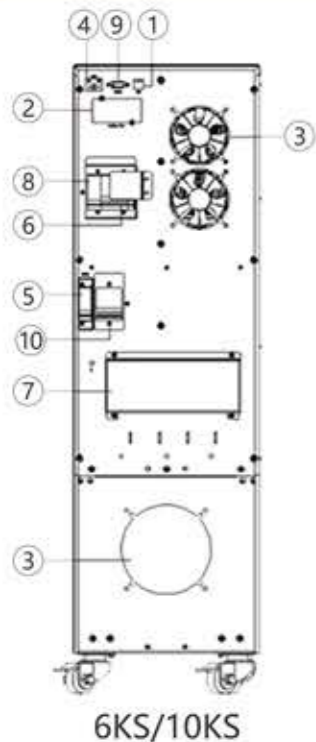
Application

IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

Feature

- True online double-conversion technology
- DSP based technology
- Advanced PFC technology, input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range

Real Panel



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



PF1

Specification

MODEL	UT1106KS	UT1106KL	UT1110KS	UT1110KL
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Nominal Voltage	208/ 220/230/240Vac, L1+L2+PE			
Voltage Range	110~300Vac			
Frequency	40-70Hz			
Power Factor	≥0.99			
THDi	≤5%(Linear load); ≤8%(Non-linear load)			
Output				
Nominal Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE			
Voltage Regulation	±1%			
Frequency	50/60Hz ± 0.1%			
THDu	≤2% THD (Linear Load); ≤5% THD (Non-linear Load)			
Transfer Time	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms			
Crest Ratio	3:1			
Overload Capacity	Line Mode: 30min @102%~105% Load 10min @105%~125% Load 30s @125%~150% Load 500ms @>150% Load		Battery Mode: 10min @102%~105% Load 1min @105%~125% Load 10s @125%~150% Load 500ms @>150% Load	
Battery				
Battery Type	Sealed lead acid maintenance free			
Voltage	192Vdc / 240Vdc			
Battery Number	12V 7Ah*16/20pcs	External	12V 9Ah*16/20pcs	External
Charge Current	1A (1-12A settable)	1-12A settable	1A (1-12A settable)	1-12A settable
Charging Mode	Two/Three-period Charging			
Efficiency				
Line Mode	93%			
Battery Mode	92.5%			
ECO Mode	98%			
Communication				
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)			
Environment				
Operation Temperature	0~40°C			
Humidity	0~95% (non-condensing)			
Audible Noise	≤50dB			
Altitude	The altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040			
Physical				
Dimensions(W*D*H) mm	250*523*842	250*523*602	250*523*842	250*523*602
Weight (kg)	88/96	15	106/116	58

UTR11 Series High Frequency Online UPS

1/2/3kVA 1Phase Input/1Phase Output

Application

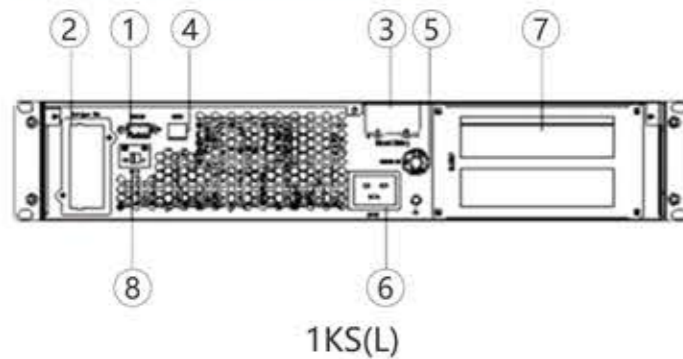
IDC(Internet Dater Center), network, servers and workstations, control system, communication system, office , PC etc

Feature

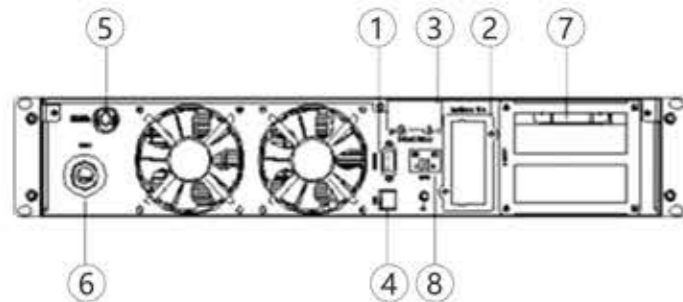
- True online double-conversion technology
- DSP technology
- Advanced PFC technology, input PF>99%
- Automatic battery charging on/off mode
- Wide input voltage range



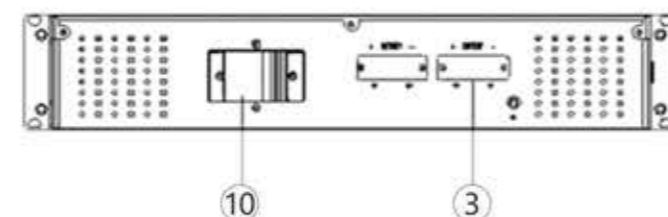
Real Panel



1KS(L)



2KS(L)/3KS(L)



Battery Pack

- ① RS232
- ② Smart slot
- ③ External battery connection port
- ④ USB
- ⑤ Input over current breaker
- ⑥ AC Input
- ⑦ Output socket
- ⑧ EPO
- ⑨ Fan
- ⑩ Battery breaker

Specification

MODEL	UTR1101KS	UTR1101KL	UTR1102KS	UTR1102KL	UTR1103KS	UTR1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Range	55~150Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤4% (Linear load); ≤5% (Non-linear load)					
Output						
Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (Linear load); ≤5% (Non-linear load)					
Transfer Time	Line mode to battery mode, 0ms; Inverter mode to bypass mode ,4ms					
Waveform	Pure Sine Wave					
Overlord Capacity	Line Mode: 10min@102%~110% load 1min@110%~130% load 30s@130%~150% load 200ms@>150% load			Battery Mode: 1min@102%~110% load 10s@110%~130% load 3s@130%~150% load 200ms@>150% load		
Crest Factor	3:1					
Efficiency						
Line Mode	93.5%		94.5%		94.5%	
Battery Mode	89.5%@24Vdc	90.5%	92.5%@48Vdc	93.5%	93.5%	92.5%
	90.5%@36Vdc		93.5%@72Vdc			
ECO Mode	98%					
Battery						
Battery Voltage	24/36Vdc	36Vdc	48/72Vdc	48/72Vd	72Vdc	72/96Vdc
Battery Number	12V 9AH*2/3pcs	External	12V 9AH*4/6pcs	External	12V 9AH*6/8pcs	External
Rated Charge	1A	1-12A settable	1A	1-12A settable	1A	1-12A settable
Communication						
Interface	RS232 / SNMP card(optional) / USB Port /AS400 (optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤50dB					
Altitude	The altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040					
Dimension (W*D*H)mm	440*425*86	440*425*86	440*588*86	440*470*86	440*733*86	440*470*86
Weight (kg)	9/11.3	4.5	19/23.6	10	25/29.6	11