ULA11 Series High Frequency Online UPS

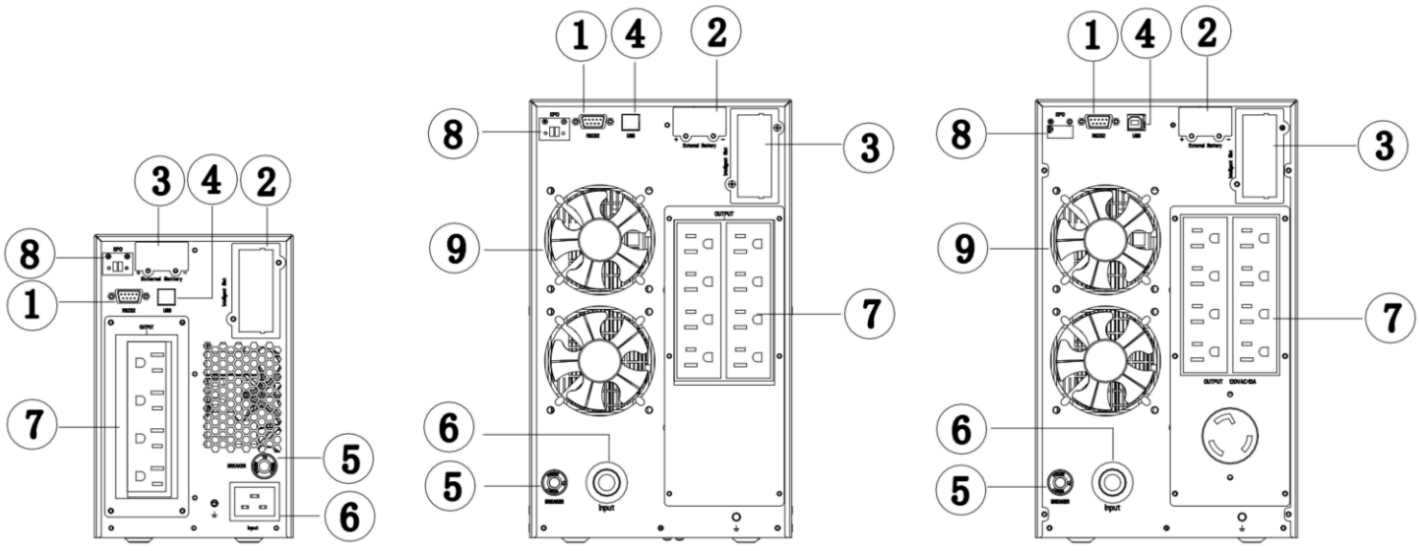
1/2/3kVA 1-Phase In/1-Phase Out

Feature

- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 94%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 150Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)

Rear Panel

- ★ rocessing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%



1KS/1KL 2KS/2KL 3KS/3KL

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 ⑨ Fan

Model	ULA1101KS	ULA1101KL	ULA1102KS	ULA1102KL	ULA1103KS	ULA1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	100/110/115/120/127Vac, L+N+PE					
Voltage Range	55~150Vac					
Frequency Range	50/60±6Hz					
Power Factor	≥0.99					
THDi	≤4% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	100/110/115/120/127Vac, L+N+PE					
Voltage Precision	±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, 10min; 110%~130% load,1min; 130%~150% load, 10s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~110% load, 1 min; 110%~130% load,10s; 130%~150% load, 3s; >150% load, 200ms					
Efficiency						
Line Mode	93.5%		94.5%		94.5%	
Battery Mode	89.5%	90.5%	92.5%	93.5%	93.5%	92.5%
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc	36Vdc	48Vdc	48/72Vdc	72Vdc	72/96Vdc
Battery Number	9Ah*2pcs	External	9Ah*4pcs	External	9Ah*6pcs	External
Charge Current	1A	1-12A	1A(1-12A)	1-12A	1A(1-12A)	1-12A
Communication						
Interface	RS232 / USB / SNMP card(optional) /AS400 card/RS485 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*405*224	145*405*224	190*410*322	190*410*322	190*410*322	190*410*322
Weight (kg)	11	5.7	20.4	8.6	26	8.9

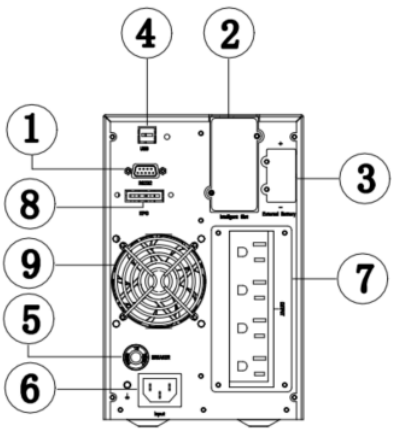
ULC11 Series High Frequency Online UPS

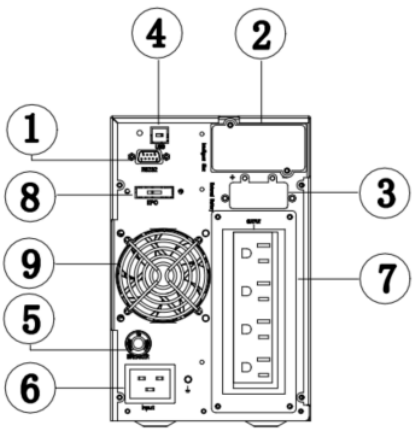
Feature

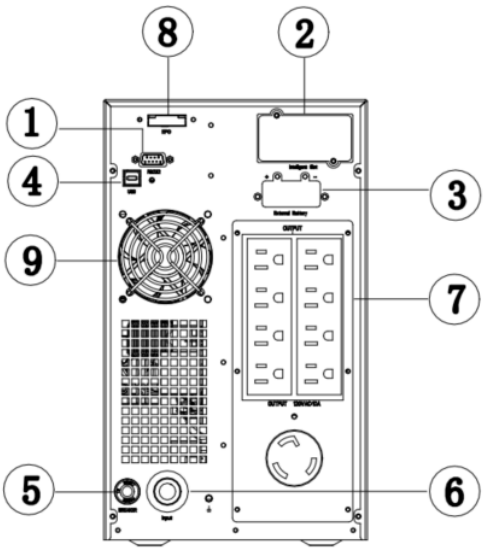
1/2/3kVA 1-Phase In/1-Phase Out

- ★ True online double-conversion technology
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 145Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ [illegible] mode 50Hz/60Hz is settable
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%
- ★ Frequency converter mode 50Hz/60Hz is settable
- ★ With external maintenance status interface, which can be linked with external switch

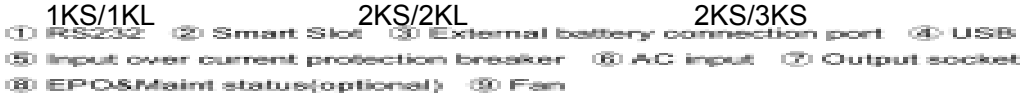
Rear Panel







1KS/1KL 2KS/2KL 2KS/3KS



Model	ULC1101KS	ULC1101KL	ULC1102KS	ULC1102KL	ULC1103KS	ULC1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	110/115/120/127Vac, L+N+PE					
Voltage Range	55~145Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
Output						
Rated Voltage	110/115/120/127Vac, L+N+PE					
Voltage Precision	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (linear load); ≤7% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Factor	3:1					
Overload Capacity (Line Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms					
Overload Capacity (Battery Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms					
Efficiency						
Line Mode	88%		89%		90%	
Battery Mode	85%		86%		87%	
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc	36Vdc	48Vdc	72Vdc	72Vdc	72Vdc
Battery Number	9Ah*2pcs	External	9Ah*4pcs	External	9Ah*6pcs	External
Charge Current	1A	4A	1A	4A	1A	4A
Communication						
Interface	RS232 / USB / SNMP card(optional) /AS400 card(optional)/RS485 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*405*224	145*405*224	190*410*322	190*410*322	190*410*322	190*410*322
Weight (kg)	10.7	5.7	19.2	8.6	24.8	8.9

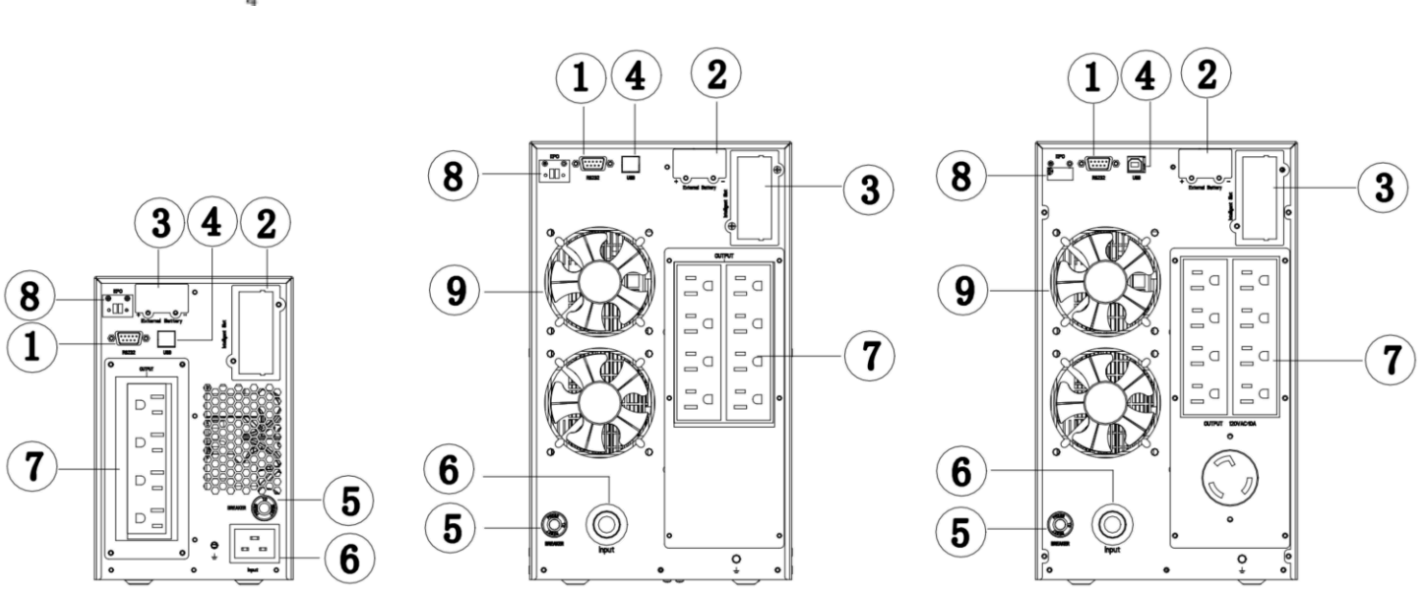
Feature ies High Frequency Online UPS

1/2/3kVA 1-Phase In/1-Phase Out

- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 94%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 150Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible

Rear Panel

- ★ Battery cold start
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%
- ★ Built-in $LiFePO_4$ batteries



1KS 2KS 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 ⑨ Fan

Model	ULD1101KS	ULD1102KS	ULD1103KS
Capacity	1kVA/1kW	2kVA/2kW	3kVA/3kW
Input			
Rated Voltage	100/110/115/120/127Vac, L+N+PE		
Voltage Range	55~150Vac		
Frequency Range	50/60±6Hz		
Power Factor	≥0.99		
THDi	≤4% (linear load); ≤5% (non-linear load)		
Output			
Rated Voltage	100/110/115/120/127Vac, L+N+PE		
Voltage Precision	±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, 10min; 110%~130% load,1min; 130%~150% load, 10s; >150% load, 200ms		
Overload Capacity (Battery Mode)	102%~110% load, 1 min; 110%~130% load,10s; 130%~150% load, 3s; >150% load, 200ms		
Efficiency			
Line Mode	93.5%	94.5%	94.5%
Battery Mode	89.5%	92.5%	93.5%
ECO Mode		98%	
Battery			
Nominal Voltage	24Vdc	48Vdc	72Vdc
Battery Number	12Ah*2pcs	12Ah*4pcs	12Ah*6pcs
Charge Current	1A	1A(1-12A)	1A(1-12A)
Communication			
Interface	RS232 / USB / SNMP card(optional) /AS400 card/RS485 card(optional)		
Environment			
Operation Temperature	0~40℃		

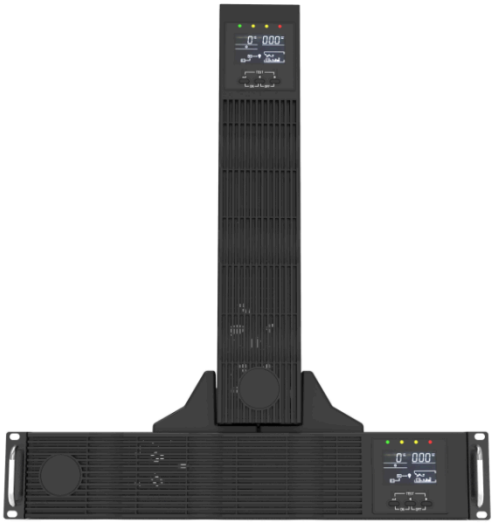
Humidity		0~95%(non-condensing)	
Noise		≤50dB@1meter away	
Altitude		Up to 1000m without derating	
Physical			
Dimensions	145*405*224	190*410*322	190*410*322
	8.5	14.5	17.6

Feature

ULRA11 Series High Frequency Online UPS

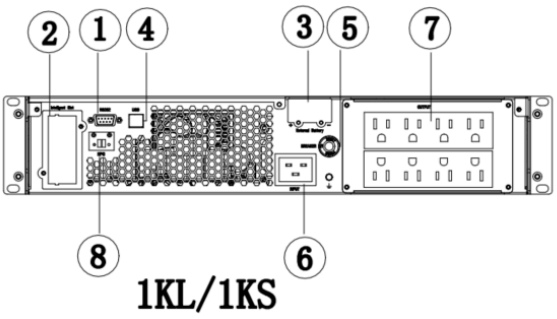
1/2/3kVA 1-Phase In/1-Phase Out

- ★ Rack/Tower convertible design
- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 94%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card

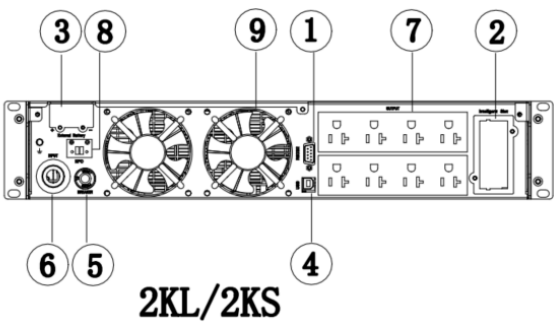


Rear Panel

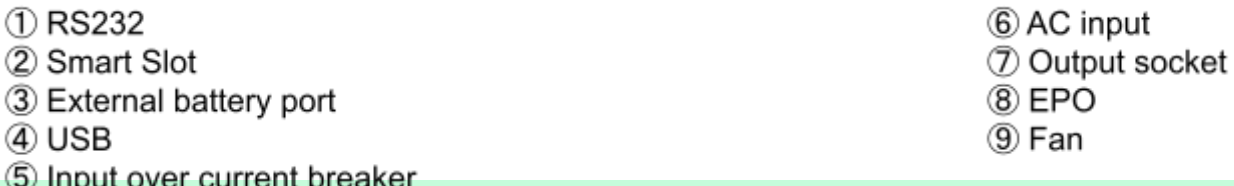
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%



1KL/1KS



2KL/2KS



Model	ULRA1101KS	ULRA1101KL	ULRA1102KS	ULRA1102KL	ULRA1103KS	ULRA1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Range	55~150Vac					
Frequency Range	50/60±6Hz					
Power Factor	≥0.99					
THDi	≤4% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Precision	±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, 10min; 110%~130% load, 1min; 130%~150% load, 10s; >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	93.5%		94.5%		94.5%	
Battery Mode	89.5%	90.5%	92.5%	93.5%	93.5%	92.5%
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc	36Vdc	48Vdc	48/72Vdc	72Vdc	72/96Vdc
Battery Number	9Ah*2pcs	External	9Ah*4pcs	External	9Ah*6pcs	External
Charge Current	1A	1-12A	1A(1-12A)	1-12A	1A(1-12A)	1-12A
Communication						
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485(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*450*86	440*450*86	440*588*86	440*588*86	440*739*86	440*588*86
Weight (kg)	12	6.9	20.2	9.6	27.6	10

ULRC11 Series High Frequency Online UPS

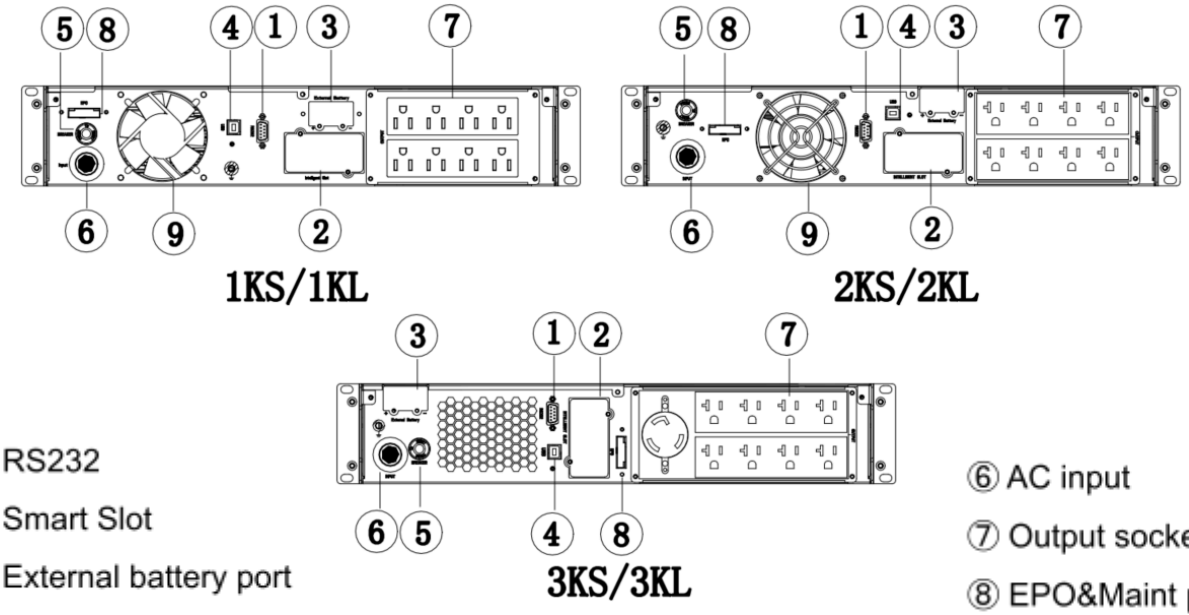
1/2/3kVA 1-Phase In/1-Phase Out

Feature

- ★ Rack/Tower convertible design
- ★ True online double-conversion technology
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 145Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Hot-Swappable battery
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%
- ★ mode 50Hz/60Hz is settable

Rear Panel

- ★ With external maintenance status interface, which can be linked with external switch



① RS232
② Smart Slot
③ External battery port
④ USB
⑤ Input over current breaker
⑥ AC input
⑦ Output socket
⑧ EPO&Maint port
⑨ Fan

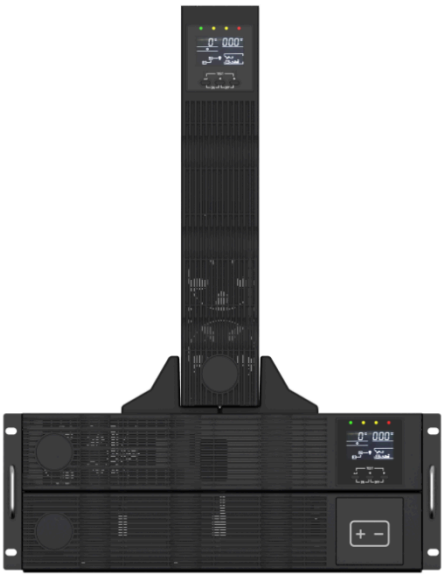
Model	ULRC1101KS	ULRC1101KL	ULRC1102KS	ULRC1102KL	ULRC1103KS	ULRC1103KL
Capacity	1000VA/1000W		2000VA/2000W		3000VA/3000W	
Input						
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Range	55~145Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
Output						
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE					
Voltage Precision	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (linear load); ≤7% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Factor	3:1					
Overload Capacity (Line Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms					
Overload Capacity (Battery Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms					
Efficiency						
Line Mode	88%		89%		90%	
Battery Mode	85%		86%		87%	
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc	36Vdc	48Vdc	72Vdc	72Vdc	72Vdc
Battery Number	9Ah*2pcs	External	9Ah*4pcs	External	9Ah*6pcs	External
Charge Current	1A	4A	1A	4A	1A	4A
Communication						
Interface	RS232/USB /SNMP card(optional) /AS400 card(optional)/RS485 card					
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*380*86		440*470*86		440*588*86	

Weight (kg)	8.6	4.2	15.6	5.9	22.5	8.3

ULRB11 Series High Frequency Online UPS

1/2/3kVA 1-Phase In/1-Phase Out

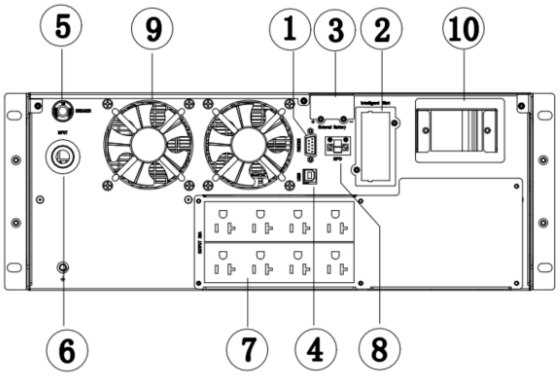
Feature



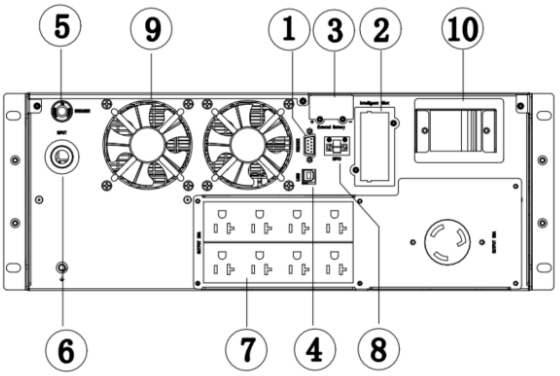
- ★ Rack/Tower convertible design
- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ High efficiency, AC to AC 94%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Wide input voltage range, 55Vac to 150Vac
- ★ Emergency power off function (EPO)
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)

Rear Panel

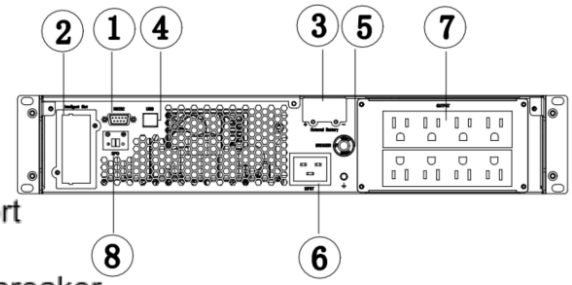
- ★ rocessing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%



2KS



3KS



1KS

① R232
② Smart Slot
③ External battery port
④ USB
⑤ Input over current breaker

⑥ AC input
⑦ Output socket
⑧ EPO
⑨ Fan
⑩ Battery breaker

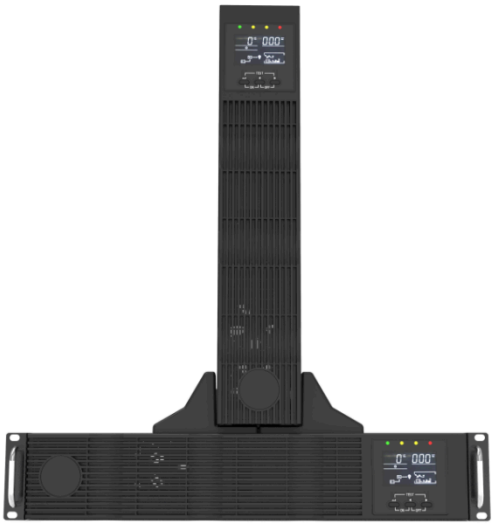
Model	ULRB1101KS	ULRB1102KS	ULRB1103KS
Capacity	1kVA/1kW	2kVA/2kW	3kVA/3kW
Input			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Range	55~150Vac		
Frequency Range	50/60±6Hz		
Power Factor	≥0.99		
THDi	≤4% (linear load); ≤5% (non-linear load)		
Output			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Precision	±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, 10min; 110%~130% load, 1min; 130%~150% load, 10s; >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	93.5%	94.5%	94.5%
Battery Mode	89.5%	92.5%	93.5%
ECO Mode		98%	
Battery			
Nominal Voltage	24Vdc	48Vdc	96Vdc
Battery Number	9Ah*2pcs*2 strings	9Ah*4pcs*2 strings	9Ah*8pcs
Charge Current	1A	2A(1-12A)	1A(1-12A)
Communication			
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485 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*425*86		440*496*173	
Weight (kg)	15	32		33

ULRD11 Series High Frequency Online UPS

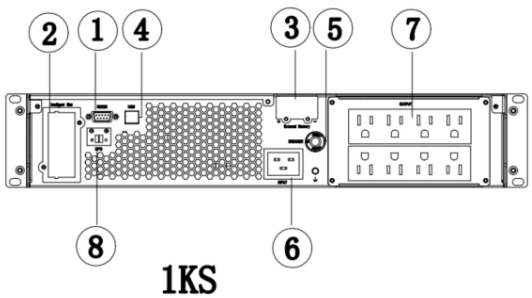
1/2/3kVA 1-Phase In/1-Phase Out with internal batteries

Feature

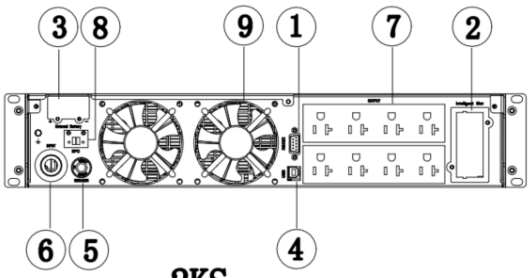


- ★ Rack/Tower convertible design
- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 94%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 150Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ LCD/LED display
- ★ Battery cold start
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ er Factor Correction) technology, input PF>99%
- ★ Built-in $LiFePO_4$ batteries

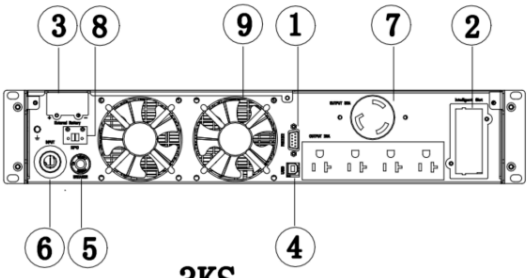
Rear Panel



1KS



2KS



3KS

① RS232
② Smart Slot
③ External battery port
④ USB
⑤ Input over current breaker
⑥ AC input
⑦ Output socket
⑧ EPO
⑨ Fan

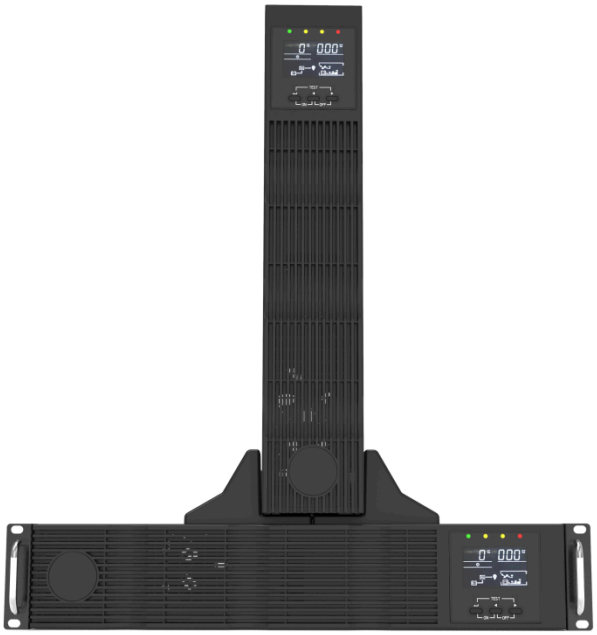
Model	ULRD1101KS	ULRD1102KS	ULRD1103KS
Capacity	1kVA/1kW	2kVA/2kW	3kVA/3kW
Input			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Range	55~150Vac		
Frequency Range	50/60±6Hz		
Power Factor	≥0.99		
THDi	≤4% (linear load); ≤5% (non-linear load)		
Output			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Precision	±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, 10min; 110%~130% load, 1min; 130%~150% load, 10s; >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	93.5%	94.5%	94.5%
Battery Mode	89.5%	92.5%	93.5%
ECO Mode	98%		
Battery			
Nominal Voltage	24Vdc	48Vdc	72Vdc
Battery Number	9Ah*2pcs	9Ah*4pcs	9Ah*6pcs
Charge Current	1A	1A(1-12A)	1A(1-12A)
Communication			
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485(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*450*86	440*588*86	440*739*86
Weight (kg)	12	20.2	26.2

ULRD11 Series High Frequency Online UPS

1/2/3kVA 1-Phase In/1-Phase Out with external batteries

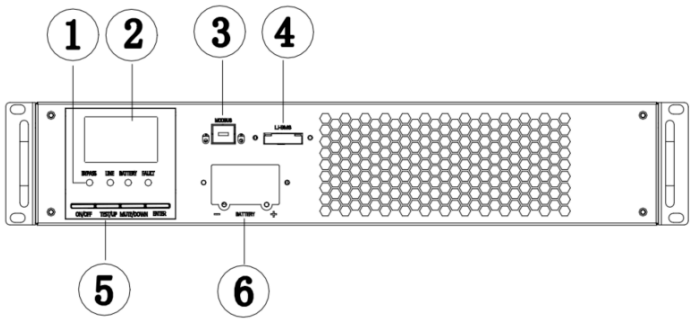
Feature



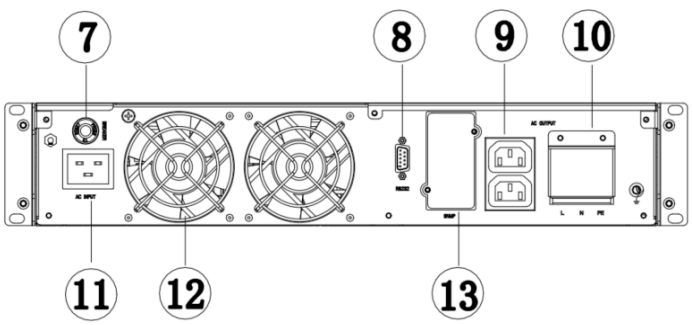
- ★ Rack/Tower convertible design
- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, 8A/16A charge current
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 55Vac to 145Vac
- ★ Emergency power off function (EPO)
- ★ Battery cold start
- ★ LCD/LED display

Rear Panel

- ★ [illegible]ort with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%
- ★ Configured with $LiFePO_4$ battery pack



Front Panel for 1KL/2KL/3KL



Rear Panel for 1KL/2KL/3KL

① LED indicator
② LCD display
③ RS485
④ Dry contact

⑦ Input overcurrent protection breaker
⑧ RS232
⑨ Output socket
⑩ Output ternimals
⑪ AC input

Model	ULRD1101KL	ULRD1102KL	ULRD1103KL
Capacity	1kVA/1kW	2kVA/2kW	3kVA/3kW
Input			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Range	55~145Vac		
Frequency Range	50/60±6Hz		
Power Factor	≥0.99		
Output			
Rated Voltage	100/ 110/115/120/127Vac, L+N+PE		
Voltage Precision	±1%		
Frequency	50/60Hz ± 0.1%		
THDu	≤2% (linear load); ≤7% (non-linear load)		
Transfer Time	Zero		
Waveform	Pure sine wave		
Crest Factor	3:1		
Overload Capacity (Line Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms		
Overload Capacity (Battery Mode)	105%~125% load, 1min; 125%~150% load, 30s; >150% load, 500ms		
Efficiency			
Line Mode	89%	89%	89%
Battery Mode	87%	87%	87%
ECO Mode	98%		
Battery			
Nominal Voltage	48Vdc	48Vdc	48Vdc
Battery Number	External	External	External
Charge Current	4A	4A	4A
Communication			
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485 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*577*86	440*577*86	440*577*86
Weight (kg)	5.6	6.5	7

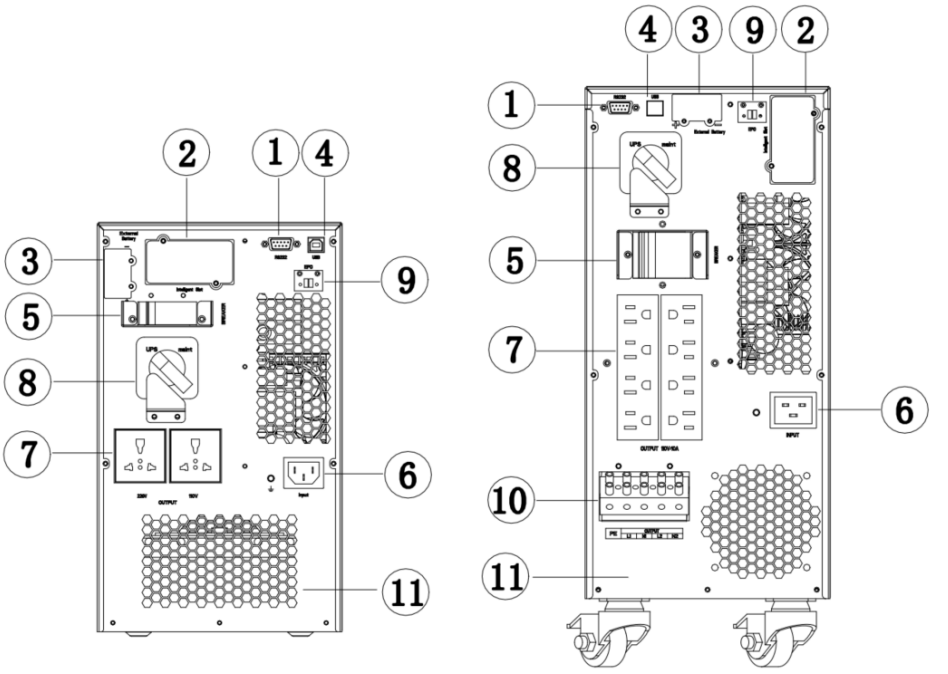
ULT11 Series High Frequency Online UPS

1/2/3kVA 2-Phase In / 2-Phase Out

Feature

- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 93%
- ★ LCD/LED display
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 110Vac to 300Vac
- ★ Emergency power off function (EPO)
- ★ Generator compatible
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ With output ISO transformer to provide 220V and 110V output voltage
- ★ DSP (Digital Signal Processing) technology guarantees high performance
- ★ PFC (Power Factor Correction) technology, input PF>99%

Rear Panel



① RS232
② Smart Slot
③ External battery connection port
④ USB
⑤ Input breaker
⑥ AC input
⑦ Output socket
⑧ Maintenance bypass switch
⑨ EPO
⑩ Output terminal
⑪ Built-in isolation transformer

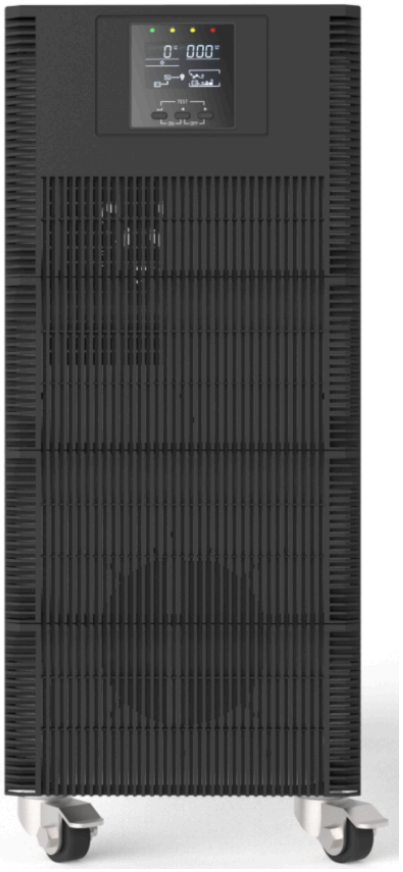
1KS/1KL 2KS/2KL/3KS/3KL

Model	ULT1101KS	ULT1101KL	ULT1102KS	ULT1102KL	ULT1103KS	ULT1103KL
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE					
Voltage Range	110~300Vac					
Frequency Range	50/60±6Hz					
Power Factor	≥0.99					
THDi	≤2% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE					
Voltage Precision	±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%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~105% load, 1min; 105%~125% Load, 10s; 125%~150% load, 3s; >150% load, 200ms					
Efficiency						
Line Mode	92.5%		93.5%		93.5%	
Battery Mode	86.5%		90.5%		90.5%	
ECO Mode			98%			
Battery						
Nominal Voltage	24/36Vdc	36Vdc	48/72Vdc	72Vdc	72/96Vdc	96Vdc
Battery Number	9Ah*2/3pc	External	9Ah*4/6pcs	External	9Ah*6/8pcs	External
Charge Current	1A	1-12A	1A	1-12A	1A	1-12A
Communication						
Interface	RS232 / USB / SNMP card(optional) /AS400 card(optional)/RS485 card					
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	190*318*322		190*447*452		190*447*452	
Weight (kg)	17/19	12	30/35.2	20	37.6/43	22

ULT11 Series High Frequency Online UPS

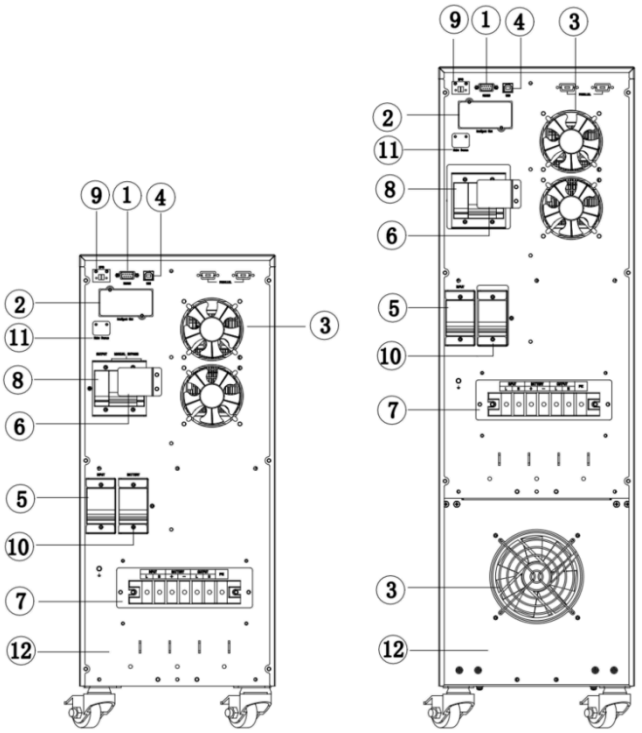
6/10kVA 2-Phase In / 2-Phase Out

Feature



- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ High efficiency, AC to AC 93%
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 110Vac to 300Vac
- ★ Emergency power off function (EPO)
- ★ Smart RS232/USB port with monitoring software
- ★ Adjustable battery numbers, 16/20pcs * 7/9AH 12VDC
- ★ ECO mode operation for energy saving (ECO)
- ★ DSP technology guarantees high performance
- ★ Advanced PFC technology, input PF>99%
- ★ With output ISO transformer to provide220V and 110V output voltage
- ★ With external maintenance status interface, which can be linked with

Rear Panel



① RS232
② Smart slot
③ Fan
④ USB
⑤ Input breaker
⑥ Maintenance breaker
⑦ Terminal block
⑧ Output breaker
⑨ EPO
⑩ Battery breaker
⑪ Maint status
⑫ Built-in isolation transformer

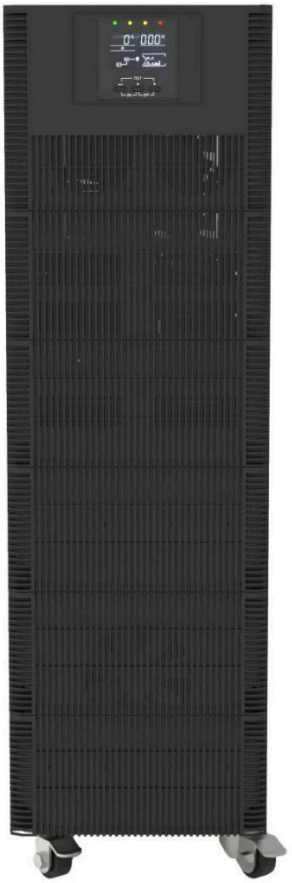
10KL/6KL 10KS/6KS

Model	ULT1106KS	ULT1106KL	ULT1110KS	ULT1110KL
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE			
Voltage Range	110~300Vac			
Frequency Range	50/60±6Hz			
Power Factor	≥0.99			
THDi	≤5%(linear load); ≤8%(non-linear load)			
Output				
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE			
Voltage Precision	±1%			
Frequency	50/60Hz ± 0.1%			
THDu	≤2% THD (linear load); ≤5% THD (non-linear load)			
Transfer Time	Zero			
Waveform	Pure sine wave			
Crest Factor	3:1			
Overload Capacity (Line Mode)	102%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 200ms			
Overload Capacity (Battery Mode)	102%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% Load, 200ms			
Efficiency				
Line Mode	93%			
Battery Mode	92.5%			
ECO Mode	98%			
Battery				
Nominal Voltage	192Vdc / 240Vdc			
Battery Number	7Ah*16/20pcs	External	9Ah*16/20pcs	External
Charge Current	1A(1-12A)	1-12A	1A(1-12A)	1-12A
Communication				
Interface	RS232 / USB / SNMP card(optional) /AS400 card(optional)/RS485(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*842	250*523*602	250*523*842	250*523*602
Weight (kg)	96/106	52	111/120	61

ULT11 Series High Frequency Online UPS

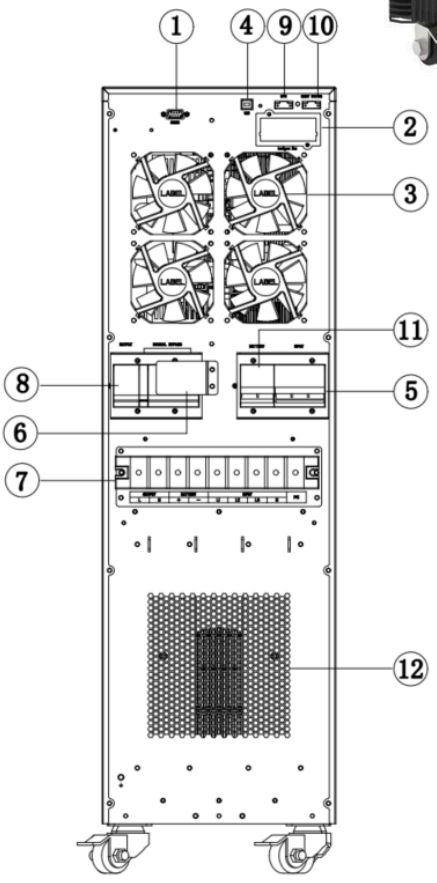
15/20kVA 2-Phase In / 2-Phase Out

Feature



- ★ True online double-conversion technology
- ★ Output power factor is 1, kVA/kW
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ Auto fan speed adjustment
- ★ Wide input voltage range, 95Vac to 300Vac
- ★ Emergency power off function (EPO)
- ★ Advanced PFC technology, input PF>99%
- ★ Frequency converter mode 50Hz/60Hz is settable
- ★ Smart RS232/USB port with monitoring software
- ★ With output ISO transformer to provide220V and 110V output voltage
- ★ Adjustable battery numbers, 16/20pcs
- ★ DSP technology guarantees high performance
- ★ With external maintenance status interface, which can be linked with

Rear Panel



① RS232
② Smart slot
③ Fan
④ USB
⑤ Input breaker
⑥ Maintenance breaker
⑦ Terminal block
⑧ Output breaker
⑨ EPO
⑩ Maint status port
⑪ Battery breaker
⑫ Built-in isolation transformer

15KL/20KL

Model	ULT1115KL	ULT1120KL
Capacity	15kVA/15kW	20kVA/20kW
Input		
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE	
Voltage Range	95~300Vac	
Frequency Range	40-70Hz	
Power Factor	≥0.99	
Output		
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE	
Voltage Precision	±1%	
Frequency	50/60Hz ± 0.1%	
THDu	≤2% (linear load); ≤7% (non-linear load)	
Transfer Time	Zero	
Waveform	Pure sine wave	
Crest Factor	3:1	
Overload Capacity (Line Mode)	105%~125% load, 10min; 126%~150% load, 1min; >150% load, 100ms	
Overload Capacity (Battery Mode)	105%~125% load, 1s; >126% load, 100ms	
Efficiency		
Line Mode	92%	
Battery Mode	90%	
ECO Mode	98%	
Battery		
Nominal Voltage	192Vdc / 240Vdc	
Battery Number	External	
Charge Current	4A or 8A, selectable	
Communication		
Interface	RS232 / USB / SNMP card(optional) /AS400 card(optional)/RS485 card	
Environment		
Operation Temperature	0~40℃	
Humidity	0~95%(non-condensing)	
Noise	≤55dB @ 1 meter away	
Altitude	Up to 1000m without derating	
Physical		
Dimensions (W*D*H)mm	250*752*857	250*752*857

Weight (kg)	96	100

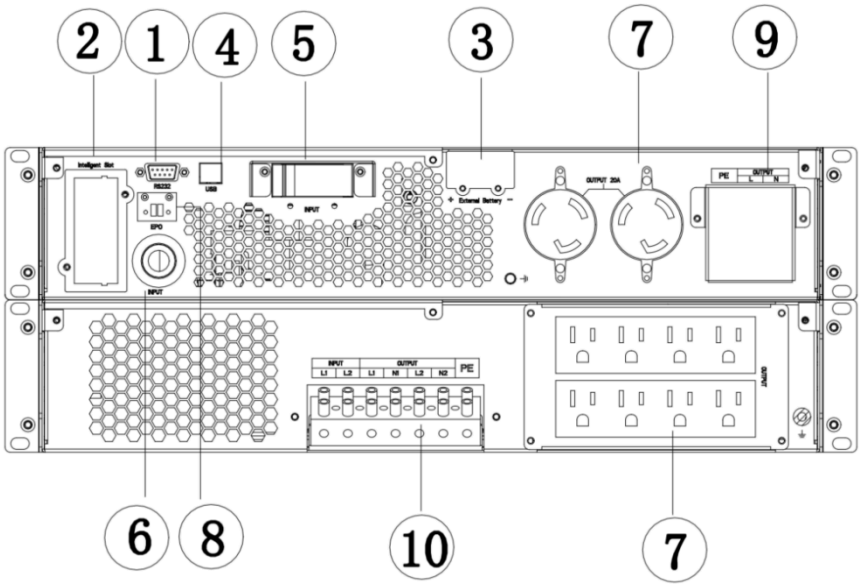
ULRT11 Series High Frequency Online UPS

1/2/3kVA 2-Phase In / 2-Phase Out

Feature

- ★ Output power factor is 1, kVA/kW
- ★ High efficiency, AC to AC 95%
- ★ LCD/LED display
- ★ Auto fan speed adjustment
- ★ Generator compatible
- ★ True online double-conversion technology
- ★ Wide input voltage range, 110Vac to 300Vac
- ★ Emergency power off function (EPO)
- ★ Digital charging design, Adjustable from 1 to 12A
- ★ Smart RS232/USB port with monitoring software
- ★ ECO mode operation for energy saving (ECO)
- ★ Intelligent slot, support SNMP / RS485 / AS400 card
- ★ With output ISO transformer to provide220V and 110V output voltage
- ★ [illegible]Processing) technology guarantees high performance
- ★ Advanced PFC (Power Factor Correction) technology, input PF>99%

Rear Panel



① RS232
② Smart Slot
③ External battery connection port
④ USB
⑤ Input breaker
⑥ AC input
⑦ Output socket
⑧ EPO
⑨ Output terminal of UPS
⑩ Terminal of transformer

	3KS/3KL					
Model	**ULRT1101KS**	**ULRT1101KL**	**ULRT1102KS**	**ULRT1102KL**	**ULRT1103KS**	**ULRT1103KL**
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE					
Voltage Range	110~300Vac					
Frequency Range	50/60±6Hz					
Power Factor	≥0.99					
THDi	≤2% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE					
Voltage Precision	±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%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~105% load, 1min; 105%~125% Load, 10s; 125%~150% load, 3s; >150% load, 200ms					
Efficiency						
Line Mode	92.5%		93.5%		93.5%	
Battery Mode	86.5%		90.5%		90.5%	
ECO Mode	98%					
Battery						
Nominal Voltage	24/36Vdc	36Vdc	48/72Vdc	72Vdc	72Vdc	96Vdc
Battery Number	9Ah*2/3pc	External	9Ah*4/6pcs	External	9Ah*6pcs	External
Charge Current	1A	1-12A	1A	1-12A	1A	1-12A
Communication						
Interface	RS232 / USB / SNMP card(optional) AS400 card(optional)/RS485 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*449*173		440*588*173 440*739*173	440*449*173	440*739*173	440*449*173
Weight (kg)	20/22	14.5	32/37	22	40/45	24

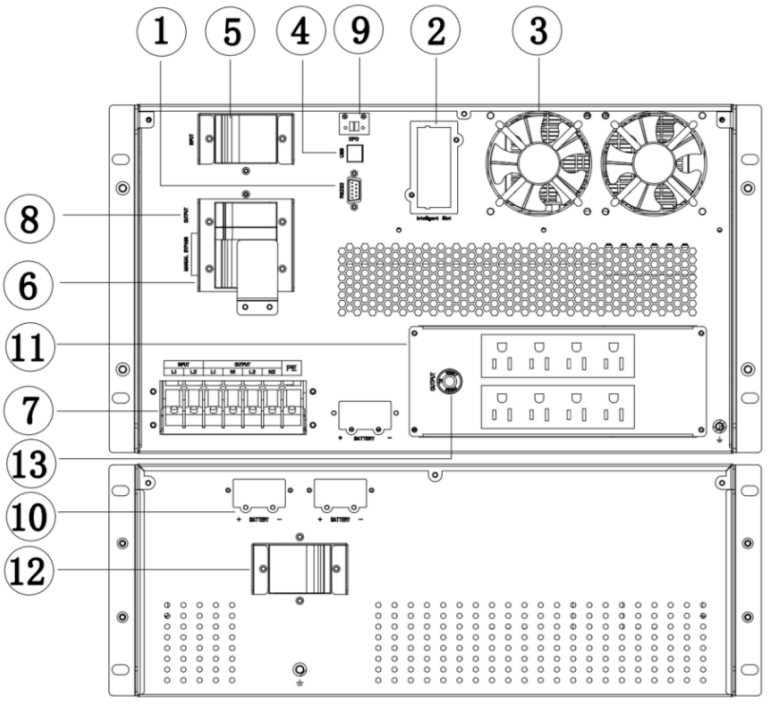
ULRT11 Series High Frequency Online UPS

6/10kVA 2-Phase In / 2-Phase Out

Feature

★ True online double-conversion technology
★ Output power factor is 1, kVA/kW
★ High efficiency, AC to AC 93%
★ Auto fan speed adjustment
★ Battery cold start
★ Emergency power off function (EPO)
★ Wide input voltage range, 110Vac to 300Vac
★ Digital charging design, Adjustable from 1 to 12A
★ Smart RS232/USB port with monitoring software
★ Adjustable battery numbers, 16/20pcs * 7/9AH 12VDC
★ ECO mode operation for energy saving (ECO)
★ Intelligent slot, support SNMP / RS485 / AS400 card
★ DSP technology guarantees high performance
★ Advanced PFC technology, input PF>99%
★ sformer to supply 220V and 110V output voltage

Rear Panel



① RS232
② Smart Slot
③ Fan
④ USB
⑤ Input breaker
⑥ Maintenance breaker
⑦ Terminal block
⑧ Output socket
⑨ EPO
⑩ Battery connection port
⑪ Output socket
⑫ Battery breaker
⑬ Over current protection breaker

6KL/10KL+Battery Pack

Model	ULRT1106KS	ULRT1106KL	ULRT1110KS	ULRT1110KL
Capacity	6kVA/6kW		10kVA/10kW	
Input				
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE			
Voltage Range	110~300Vac			
Frequency Range	50/60±6Hz			
Power Factor	≥0.99			
THDi	≤5%(linear load); ≤8%(non-linear load)			
Output				
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE			
Voltage Precision	±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%~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			
Efficiency				
Line Mode	93%			
Battery Mode	92.5%			
ECO Mode	98%			
Battery				
Nominal Voltage	192Vdc / 240Vdc			
Battery Number	7Ah*20pcs	External	9Ah*20pcs	External
Charge Current	1A(1-12A)	1-12A	1A(1-12A)	1-12A
Communication				
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485 card(optional)			
Environment				
Operation Temperature	0~40℃			
Humidity	0~95%(non-condensing)			
Noise	≤50dB @ 1 meter away			
Altitude	Up to 1000 meters without derating			
Physical				
Dimensions (W*D*H)mm	440*500*437	440*500*264	440*500*437	440*500*264
Weight (kg)	102	55	110	56

ULRT11 Series High Frequency Online UPS

15/20kVA 2-Phase In / 2-Phase Out

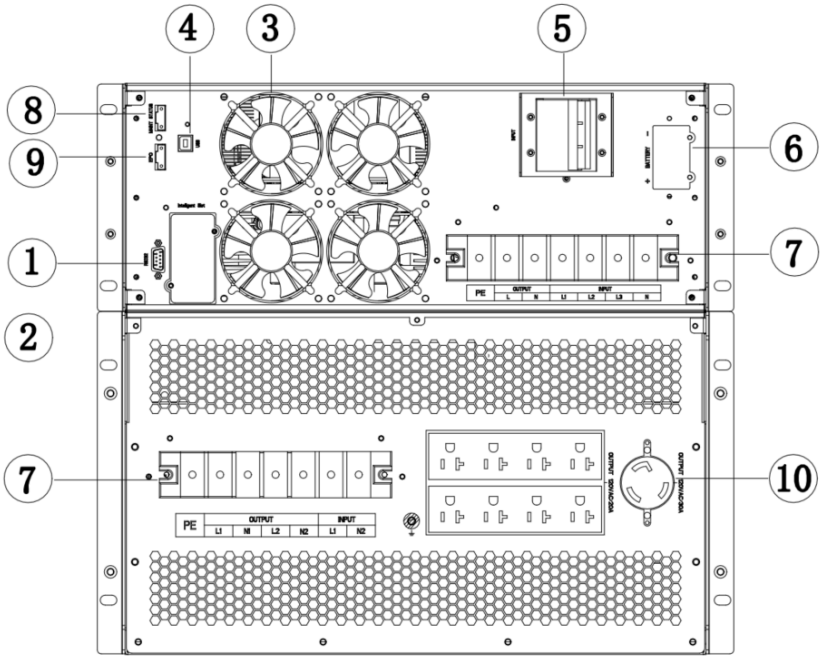
Feature

★ True online double-conversion technology
★ Output power factor is 1, kVA/kW
★ Intelligent slot, support SNMP / RS485 / AS400 card
★ Auto fan speed adjustment
★ Battery cold start
★ Generator compatible
★ Wide input voltage range, 95Vac to 300Vac
★ Emergency power off function (EPO)
★ Advanced PFC technology, input PF>99%
★ Frequency converter mode 50Hz/60Hz is settable
★ Smart RS232/USB port with monitoring software
★ Adjustable battery numbers, 16/20pcs
★ DSP technology guarantees high performance

Rear Panel

ormer to provide220V and 110V output voltage
★ With external maintenance status interface, which can be linked with external switch

① RS232
② Smart slot
③ Fan
④ USB
⑤ Input breaker
⑥ External battery port
⑦ Terminal block
⑧ Maint status
⑨ EPO
⑩ Output socket



15KL/20KL+Transformer

Model	ULRT1115KL	ULRT1120KL
Capacity	15kVA/15kW	20kVA/20kW
Input		
Rated Voltage	208/ 220/230/240Vac, L1+L2+PE	
Voltage Range	95~300Vac	
Frequency Range	40-70Hz	
Power Factor	≥0.99	
Output		
Rated Voltage	208/220/230/240Vac or 110/115/120Vac, L1+N1+L2+N2+PE	
Voltage Precision	±1%	
Frequency	50/60Hz ± 0.1%	
THDu	≤2% (linear load); ≤7% (non-linear load)	
Transfer Time	Zero	
Waveform	Pure sine wave	
Crest Factor	3:1	
Overload Capacity (Line Mode)	105%~125% load, 10min; 126%~150% load, 1min; >150% load, 100ms	
Overload Capacity (Battery Mode)	105%~125% load, 1s; >126% load, 100ms	
Efficiency		
Line Mode	92%	
Battery Mode	90%	
ECO Mode	98%	
Battery		
Nominal Voltage	192Vdc / 240Vdc	
Battery Number	External	
Charge Current	4A or 8A, selectable	
Communication		
Interface	RS232 / USB / SNMP card(optional) AS400 card(optional)/RS485(optional)	
Environment		
Operation Temperature	0~40℃	
Humidity	0~95%(non-condensing)	
Noise	≤55dB @ 1 meter away	
Altitude	Up to 1000m without derating	
Physical		

Dimensions (W*D*H)mm		440*651*433	
Weight (kg)	102		117