

Technical Specifications:

MODEL	UB RT 1k H	UB RT 1k S	UB RT 2k H	UB RT 2k S	UB RT 3k H	UB RT 3k S							
Capacity	1000VA / 900W		2000VA / 1800W		3000VA / 2700W								
INPUT													
Nominal voltage	208/220/230/240Vac												
Input voltage range	110~300Vac (176~280Vac @ 100% load)												
Power factor	≥0.99												
FREQUENCY													
Frequency range	40~70Hz (50/60Hz Auto-Sensing)												
OUTPUT													
Output voltage	208/220/230/240Vac												
Voltage regulation	± 1%												
Power factor	0.9												
Output frequency	Line Mode	46~54Hz or 56~64Hz											
	Bat. Mode	(50/60 ± 0.1%)Hz											
Crest factor	3:1												
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load												
Transfer time	AC mode to Bat.Mode	0ms											
	Inverter to Bypass	4ms (Typical)											
Output waveform	Pure Sinewave												
EFFICIENCY													
AC mode	89%		91%		92%								
Battery mode	85%		87%		88%								
BATTERY													
Battery number	2	3	2	3	4	6	4	6	6	8	6		
Capacity (Standard unit)	9Ah/12V												
Typical recharging time	4 hours (to 90% of full capacity)												
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	109.6Vdc±1%	82.2Vdc±1%		
Charging current (Max)	6A/12A		1A		6A/12A		1A		6A/12A		1A		
INDICATORS													
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault												
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time												
ALARM													
Battery mode	Beeping every 4 seconds												
Battery low	Beeping every second												
Overload	Beeping twice every second												
Fault	Continuously beeping												
PHYSICAL													
Dimension W x D x H (mm)	440 x 325x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5				
Net weight (kg)	5.6		11.3		14		10.5		19.5		25	11	26
ENVIRONMENT													
Operating temperature	0°C~40°C												
Storage temperature	-25°C~55°C												
Humidity range	20~95%RH @ 0~40°C (Non condensing)												
Altitude	<1500m,derating required when>1500m												
Noise level	<50dB at 1 Meter												
STANDARDS													
Safety	IEC/EN62040-1,IEC/EN62477-1												
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8												

Specifications are subject to change without prior notice.
When output voltage is 208Vac, need to derate to 80% of the unit capacity.

Technical Specifications:

MODEL	UB Pro 6k H	UB Pro 6k S	UB Pro 10k H	UB Pro 10k S
Capacity	6000VA / 5400W		10000VA / 9000W	
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110~286Vac			
Power factor	≥ 0.99			
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%,+20%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)			
FREQUENCY				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)			
OUTPUT				
Output voltage	208/220/230/240Vac			
Voltage regulation	± 1%			
Power factor	0.9			
Output frequency	Line Mode	± 1%/ ± 2% ± / ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)		
	Bat. Mode	(50/60 ± 0.1%)Hz		
Crest factor	3:1			
Harmonic distortion (THDv)	≤ 2% Linear load ≤ 5% Non linear load			
Transfer time	AC mode to Bat.Mode	0ms		
	Inverter to Bypass	0ms		
Output waveform	Pure Sinewave			
Overload	Line Mode	Load ≤ 110% last 60min; ≤ 125% last 10min; ≤ 150% last 1min;>150% turn to bypass mode immediately		
	Bypass Mode	40A (Breaker)		63A (Breaker)
Efficiency	93.5%			
BATTERY				
Battery voltage	± 96/ ± 108/ ± 120Vdc (Adjustable)	± 120Vdc	± 96/ ± 108/ ± 120Vdc (Adjustable)	± 120Vdc
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)			
Typical recharging time	6~8 hours (to 90% of full capacity)			
Charging current	1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)			
INDICATORS				
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault			
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time			
ALARM				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
PHYSICAL				
Dimension W x D x H (mm)	H:191 x 460 x 337 ; S:191 x 460 x 720 (With wheel)			
Net weight (kg)	12.5	70	14	71.5
ENVIRONMENT				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	20~95%RH @ 0~40°C (Non condensing)			
Altitude	<1500m,derating required when>1500m			
Noise level	<55dB at 1 Meter		<58dB at 1 Meter	
STANDARDS				
Safety	IEC/EN62040-1,IEC/EN62477-1			
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

Specifications are subject to change without prior notice.
When output voltage is 208Vac, need to derate to 80% of the unit capacity.

Technical Specifications:

MODEL	UB RT Pro 6k	UB RT Pro 10k
Capacity	6000VA / 5400W	10000VA / 9000W
INPUT		
Nominal voltage	208/220/230/240Vac	
Input voltage range	110~286Vac	
Power factor	≥0.99	
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%,+20%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)	
FREQUENCY		
Frequency range	40~70Hz (50/60Hz Auto-Sensing)	
OUTPUT		
Output voltage	208/220/230/240Vac	
Voltage regulation	± 1%	
Power factor	0.9	
Output frequency	± 1%/ ± 2% ± / ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)	
	Line Mode	(50/60 ± 0.1%)Hz
	Bat. Mode	
Crest factor	3:1	
Harmonic distortion (THDv)	≤2% Linear load ≤5% Non linear load	
Transfer time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output waveform	Pure Sinewave	
Overload	Line Mode	Load ≤ 110% last 60min; ≤ 125% last 10min; ≤ 150% last 1min; > 150% turn to bypass mode immediately
	Bypass Mode	40A (Breaker) 63A (Breaker)
Efficiency	94%	
BATTERY		
Battery voltage	± 96/ ± 108/ ± 120Vdc (Adjustable)	± 120Vdc ± 96/ ± 108/ ± 120Vdc (Adjustable)
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)	
Typical recharging time	6~8 hours (to 90% of full capacity)	
Charging current	1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)	
INDICATORS		
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault	
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time	
ALARM		
Battery mode	Beeping every 4 seconds	
Battery low	Beeping every second	
Overload	Beeping twice every second	
Fault	Continuously beeping	
PHYSICAL		
Dimension W x D x H (mm)	440 x 625 x 86.5	
Net weight (kg)	16	18
ENVIRONMENT		
Operating temperature	0°C ~ 40°C	
Storage temperature	-25°C ~ 55°C	
Humidity range	20~95%RH @ 0~40°C (Non condensing)	
Altitude	<1500m,derating required when>1500m	
Noise level	<55dB at 1 Meter	<58dB at 1 Meter
STANDARDS		
Safety	IEC/EN62040-1,IEC/EN62477-1	
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

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When output voltage is 208Vac, need to derate to 80% of the unit capacity.

Technical Specifications:

MODEL	UB31 Pro 10k H	UB31 Pro 10k S	UB31 Pro 15k H	UB31 Pro 15k S	UB31 Pro 20k H	UB31 Pro 20k S
Capacity	10kVA / 10kW		15kVA / 15kW		20kVA / 20kW	
INPUT						
Nominal voltage	380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)					
Operating voltage range	208-478Vac ; 120-276Vac					
Operating frequency range	40-70Hz (50/60Hz Auto-Sensing)					
Power factor	≥0.99					
Harmonic distortion (THDi)	≤3% Linear load					
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-10%,-20%,-30%)					
FREQUENCY						
Frequency protection range	50/60Hz ± 10%					
OUTPUT						
Output voltage	220/230/240Vac (L+N+PE)					
Voltage regulation	± 1%					
Power factor	1.0					
Output frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)				
	Bat. Mode	(50/60 ± 0.1%)Hz				
Transfer time	AC mode to Bat.Mode	0ms				
	Inverter to Bypass	0ms				
Output waveform	Pure Sinewave					
Crest factor	3:1					
Harmonic distortion (THDv)	≤2% Linear load ≤5% Non linear load					
Overload	AC mode	Load ≤ 110%: last 60min turn to bypass; ≤ 125%: last 10min turn to bypass; ≤ 150%: last 1min turn to bypass; ≥ 150% turn to bypass mode immediately				
	Bat.mode	Load ≤ 110%: last 10min; ≤ 125%: last 1min; ≤ 150%: last 5s; ≥ 150% shut down UPS immediately				
	Bypass mode	Breaker 2x32A	Breaker 2x50A		Breaker 2x63A	
EFFICIENCY						
Efficiency	up to 93.5%			up to 94.5%		
BATTERY						
Battery voltage	Standard unit	± 120Vdc (20pcs 9Ah) (20pcs 7Ah、2x20pcs 7/9Ah optional)		± 120Vdc (2x20pcs 9Ah) (2x20pcs 7Ah optional)		
	Long run unit	± 96Vdc~ ± 120Vdc (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8) ± 192/204/216/228/240Vdc (32/34/36/38/40pcs optional)				
Charging current	14A Max.	1.35A(2.7A optional)	16A Max.	2.7A	18A Max.	2.7A
charging current can be set according to battery capacity						
PHYSICAL						
Dimension W x D x H (mm)	H: 250 x 580 x 655 ; S: 250 x 900 x 868					
Net weight (kg)	33/125		37/180		38/181	
ENVIRONMENTAL						
Operating temperature	0°C ~ 40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	0 ~ 95% (Non condensing)					
Altitude	<1500m,derating required when>1500m					
Noise level	<55dB at 1 Meter				<58dB at 1 Meter	
STANDARDS						
Safety	IEC/EN62040-1,IEC/EN62477-1					
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					

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Technical Specifications:

MODEL	UB31 RT 6k	UB31 RT 10k
Capacity	6kVA / 6kW	10kVA / 10kW
INPUT		
Nominal voltage	380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)	
Operating voltage range	208-478Vac ; 120-270Vac	
Operating frequency range	40-70Hz (50/60Hz Auto-Sensing)	
Power factor	≥0.99	
Harmonic distortion (THDi)	≤3% Linear load	
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-10%,-20%,-30%)	
FREQUENCY		
Frequency protection range	50/60Hz ± 10%	
OUTPUT		
Output voltage	220/230/240Vac (L+N+PE)	
Voltage regulation	± 1%	
Power factor	1.0	
Output frequency	Line Mode ± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional) Bat. Mode (50/60 ± 0.1%)Hz	
Transfer time	AC mode to Bat.Mode 0ms Inverter to Bypass 0ms	
Output waveform	Pure Sinewave	
Crest factor	3:1	
Harmonic distortion (THDv)	≤2% Linear load ≤5% Non linear load	
Overload	AC mode Load ≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150% turn to bypass mode immediately Bat.mode Load ≤110%: last 10min; ≤125%: last 1min; ≤150%: last 5s; ≥150% shut down UPS immediately Bypass mode Breaker (Load<125%,long-term operation)	
EFFICIENCY		
Efficiency	up to 93.5%	
BATTERY		
Battery voltage	± 96/ ± 108/ ± 120Vdc (16/18/20pcs optional); (16pcs default, 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8); ± 192/204/216/228/240Vdc (32/34/36/38/40pcs optional)	
Charging current	12A Max.	14A Max.
PHYSICAL		
Dimension W x D x H (mm)	443 x 580 x 131 (3U)	
Net weight (kg)	27	28
ENVIRONMENTAL		
Operating temperature	0°C ~ 40°C	
Storage temperature	-25°C ~ 55°C	
Humidity range	0 ~ 95% (Non condensing)	
Altitude	<1500m,derating required when>1500m	
Noise level	<53dB at 1 Meter	<55dB at 1 Meter
STANDARDS		
Safety	IEC/EN62040-1,IEC/EN62477-1	
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

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