



## Features

- True double-conversion
- Rack-mounted and floor-standing tower can be convertible
- Patented Mimic LCD of which content can be rotated according to the type of deployment
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable quantity of battery for each group: 16/18/20 pieces
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Optional PDU can be used as external maintenance bypass
- Generator compatible
- Communications:RS-232,USB,SNMP card (Optional), Relay card (Optional)



Control Panel



Battery Cabinets  
(Optional)



Rack-Tower convertible  
Two directions LCD display



Rear Panel

## Technical Specifications

MODEL	UBR60L		UBR100L
Capacity (VA/Watts)	6K / 5.4K		10K / 9K
<b>INPUT</b>			
Nominal Voltage	220/230/240Vac(L+N+PE)		
Operating Voltage Range	120~276Vac		
Operating Frequency Range	50Hz: 45~55Hz, 60Hz: 54~66Hz		
Power Factor	≥0.99		
Bypass Voltage Range	Max.voltage: 220V: +25%(Optional +10%,+15%,+20% )		
	230V: +20%(Optional +10%,+15%)		
	240V: +15%(Optional +10% )		
	Min. voltage: -45% (Optional -20%,-30%)		
ECO Range	Same as bypass		
Harmonic Distortion (THDi)	≤5%(100% non-linear load)		
<b>OUTPUT</b>			
Output Voltage	220/230/240Vac		
Power Factor	0.9		
Voltage Regulation	±1%		
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% with linear load		
	≤5% with non-linear load		
Waveform	Pure Sinewave		
Transfer Time	Utility to Battery : 0ms; Utility to Bypass: 0ms		
<b>EFFICIENCY</b>			
Efficiency	Up to 94%		
<b>BATTERY</b>			
Battery Voltage	Optional Voltage: ±96/108/120Vdc		
Typical Recharge Time	6~8 hours (To 90% capacity)		
Charging Current	Maximum current 10A;		
<b>PROTECTION</b>			
Overload	Line Mode	Load≤125%: last 5min; ≤150%: last 1min; >150% 200ms turn to bypass mode	
	Bypass Mode	40A(Input breaker)	60A(Input breaker)
Short Circuit	Hold Whole System		
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
Battery Low	Alarm and Switch off		
<b>INDICATORS</b>			
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault		
Status LED & LCD Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
Reading On The LCD Display	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time		
<b>MANAGEMENT</b>			
Communication Interface	RS232,USB, Parallel Port, SNMPcard(Optional), Relay card (Optional)		
<b>ENVIRONMENT</b>			
Operating Temperature	0~40°C		
Storage Temperature	-25~55°C		
Humidity Range	0~95% (Non-condensing)		
Altitude	<1500m		
Noise Level	<55dB		
<b>PHYSICAL</b>			
Dimension W × D × H (mm)	443 × 580 × 131 (3U)		
Net Weight (kg)	19		20
<b>STANDARDS</b>			
Noise Suppression	Complies with EN62040-2		
Safety	IEC/EN62040-1,IEC/EN60950-1		
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		
<b>BATTERY PACK</b>			
Model	EXBR ±120V		
Battery type& Max.quantity	7Ah × 20/9Ah × 20		
Dimensions W × D × H (mm)	443 × 720 × 131 (3U)		
Net Weight (kg)	65/75		

Specifications are subject to change without prior notice.



## Features

- True double-conversion
- Rack-mounted and floor-standing tower can be convertible
- Patented Mimic LCD of which content can be rotated according to the type of deployment
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Compatible with 3 phases and single phase input
- Selectable quantity of battery for each group:16/18/20 pieces
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Optional PDU can be used as external maintenance bypass
- Generator compatible
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Cold start



Battery Cabinets  
(Optional)



Control Panel



Rack-Tower convertible  
Two directions LCD display

## Technical Specifications

MODEL	UCR60L	UCR100L	
Capacity (VA/Watts)	6K / 5.4K	10K / 9K	
<b>INPUT</b>			
Nominal Voltage	380/400/415Vac(3Ph+N+PE) or 220/230/240Vac(L+N+PE)		
Operating Voltage Range	208~478Vac or 120~276Vac		
Operating Frequency Range	50Hz: 45~55Hz, 60Hz: 54~66Hz		
Power Factor	≥0.99		
Bypass Voltage Range	Max.voltage: 220V: +25%(Optional +10%,+15%,+20% )		
	230V: +20%(Optional +10%,+15%)		
	240V: +15%(Optional +10% )		
	Min. voltage: -45% (Optional -20%, -30%)		
ECO Range	Same as bypass		
Harmonic Distortion (THDi)	≤5%(100% non-linear load)		
<b>OUTPUT</b>			
Output Voltage	220/230/240Vac		
Power Factor	0.9		
Voltage Regulation	±1%		
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% with linear load		
	≤5% with non-linear load		
Waveform	Pure Sinewave		
Transfer Time	Utility to Battery : 0ms; Utility to Bypass: 0ms		
<b>EFFICIENCY</b>			
Efficiency	Up to 94%		
<b>BATTERY</b>			
Battery Voltage	Selectable Voltage: ±96/108/120Vdc		
Typical Recharge Time	6~8 hours (To 90% capacity)		
Charging Current	Maximum current 10A		
<b>PROTECTION</b>			
Overload	Line Mode	Load ≤125%: last 5min; ≤150%: last 1min; >150% 200ms turn to bypass mode	
	Bypass Mode	40A(Input breaker)	63A(Input breaker)
Short Circuit	Hold Whole System		
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
Battery Low	Alarm and Switch off		
<b>INDICATORS</b>			
Audible & Visual Alarms	Line Failure, Battery Low, Overload, System Fault		
Status LED & LCD Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
Parameters On The LCD Panel	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time		
<b>MANAGEMENT</b>			
Communication Interface	RS-232,USB,Parallel card, SNMP card(Optional), Relay card (Optional)		
<b>ENVIRONMENT</b>			
Operating Temperature	0 ~ 40°C		
Storage Temperature	-25 ~ 55°C		
Humidity Range	0 ~ 95% (Non-condensing)		
Altitude	< 1500m		
Noise Level	<55dB		
<b>PHYSICAL</b>			
Dimension W × D × H (mm)	443 × 580 × 131(3U)		
Net Weight (kg)	30	31	
<b>STANDARDS</b>			
Noise Suppression	Complies with EN62040-2		
Safety	IEC/EN62040-1,IEC/EN60950-1		
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		
<b>BATTERY PACK</b>			
Model	EXBR ± 120V		
Battery type& Max.quantity	7Ah × 20/9Ah × 20		
Dimensions W × D × H (mm)	443 × 720 × 131(3U)		
Net Weight (kg)	67		

- Output factor is changed when selecting different battery quantity. 16PCS:0.7; 18PCS:0.8; 20PCS:0.9;
- Specifications are subject to change without prior notice.