

## Technical Specifications

MODEL	UBR10	UBR10-36	UBR10L	UBR10L-36	UBR15	UBR15L	UBR20	UBR20-72	UBR20L	UBR20L-72	UBR30	UBR30L	
Capacity (VA/Watts)	1000VA/900W				1500VA/1350W		2000VA/1800W				3000VA/2700W		
<b>INPUT</b>													
Nominal Voltage	208/220/230/240Vac(L+N+PE)												
Operating Voltage Range	110~300Vac @(0~60%) Load;120~300Vac @(60~70%)Load,140~300Vac @(70~80%)Load;160~300Vac @(80~100%)Load												
Operating Frequency Range	50Hz: 45~55Hz, 60Hz: 55~65Hz Auto Sensing												
Power Factor	> 0.85@25%Load;>0.95 @50%Load;>0.97@75%Load;>0.99 @ Nominal voltage& 100%Load												
<b>OUTPUT</b>													
Output Voltage	208/220/230/240Vac:230Vac(Default)												
Power Factor	0.9												
Voltage Regulation	±1%												
Frequency	Synchronized Range	45~55Hz ± 0.02Hz@ 50Hz, 55~65Hz ± 0.02Hz@60Hz											
	Battery Mode & None Synchronized Range	(50/60 ± 0.02)Hz											
Crest Factor	3:1												
Harmonic Distortion (THDv)	≤3% with linear load												
	≤5% with non-linear load												
Waveform	Pure Sinewave												
Transfer time	Utility to Battery : 0ms; Utility to Bypass: 4ms(Typical)												
<b>EFFICIENCY</b>													
AC Mode	88%				88%		89%				90%		
Battery Mode	84%	85%	84%	85%	85%		85%	86%	85%	86%	87%		
ECO Mode	94%												
<b>BATTERY</b>													
Battery Type	12V/9AH	12V/7AH	12V		12V/9AH	12V	12V/9AH	12V/7AH	12V		12V/9AH	12V	
Numbers	2	3	2×N	3×N	3	3×N	4	6	4×N	6×N	6	6×N	
Maximum Charging Current (A)	1.0	1.0	6.0/12.0		1.0	6.0/12.0	1.0	1.0	6.0/12.0		1.0	6.0/12.0	
Charging Voltage(Vdc)	27.4 ± 1%	41.1 ± 1%	27.4 ± 1%	41.1 ± 1%	41.1 ± 1%		54.8 ± 1%	82.2 ± 1%	54.8 ± 1%	82.2 ± 1%	82.2 ± 1%		
Protect	Over-voltage(14.7v) / Low-voltage(10v)												
<b>PROTECTION</b>													
Overload Capacity	Line Mode	105~150%, 30s turn to bypass mode ; >150% 300ms turn to bypass mode											
	Battery Mode	105~150%, exceed 30s shutdown ; >150% exceed 300ms shutdown											
<b>INDICATORS</b>													
LED & LCD Display	Load/Battery/Input/Output/Operating Mode Information												
<b>ALARM</b>													
Battery Mode	Sounding every 4 seconds												
Battery Low	Sounding every second												
Overload	Sounding every 0.5 second												
Fault	Continuously Sounding												
<b>MANAGEMENT</b>													
Smart RS-232/USB(Preferential)	External Modbus card supported by RS232,Software supports Windows Family,Linus,FreeBSD												
Intelligent Slot	SNMP (Standard or mini) independent to RS-232(Optional)												
<b>ENVIRONMENT</b>													
Operating Temperature	0 ~ 40°C												
Humidity Range	0 ~ 95% (Non-condensing)												
Altitude	< 1500m,												
Noise Level	<50dB@ 1Meter												
<b>PHYSICAL</b>													
Dimension W × D × H (mm)	440 × 430 × 86.5						440 × 572 × 86.5	440 × 696 × 86.5	440 × 572 × 86.5		440 × 696 × 86.5	440 × 572 × 86.5	
Net Weight (kg)	13.2	15.7	7.7	7.8	15.8	7.9	21.5	27.6	10.7	10.8	28.5	11.2	
<b>STANDARDS</b>													
Safety	IEC/EN62040-1												
EMC	IEC/EN62040-2												

Specifications are subject to change without prior notice.

# Battery Pack

EXBR+24V&+36V&+48V&+72V

## Technical Specifications

MODEL	EXBR+24V	EXBR+36V	EXBR+48V	EXBR+72V
VOLTAGE	+24V	+36V	+48V	+72V
<b>CHARGER INPUT</b>				
Voltage Range	150~285Vac			
Frequency	50/60Hz			
Phase	Single phase with ground			
Current(A)	0.4	0.6	0.8	1.2
Protection	Resettable circuit breaker			
<b>CHARGER OUTPUT</b>				
Voltage (Vdc)	27.4±0.3	41.1±0.6	54.8±0.6	82.2±0.9
Current(A)	2A(Max)			
Protection	Fuse			
<b>BATTERY</b>				
Battery Type	12V 7AH/9AH; Sealed Valve Regulated Lead-Acid Battery ( VRLA ) ;Maintenance free			
Battery numbers per string	2	3	4	6
Battery string number	2			
Recharge time	8 hours to 90% capacity			
Protection	60A fast fuse			
Leakage current	<100uA			
<b>PHYSICAL</b>				
Dimension W×D×H (mm)	440×430×86.5		440×572×86.5	440×696×86.5
Net Weight (kg)	17.3	22.3	28.4	40.8
<b>INDICATORS</b>				
LED Panel	Charging LED, Battery testing LED			
<b>ENVIRONMENT</b>				
Operating Temperature	0~40℃			
Humidity Range	0~90% (Non-condensing)			
Noise Level	<40dB@ 1Meter			
<b>STANDARDS</b>				
Safety	IEC/EN62040-1			
EMC	IEC/EN62040-2			

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