UBR Series 6~10kVA 1:1phase PF:0.9



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	
NPUT				
Nominal Voltage		220/230/240Va	c(L+N+PE)	
Operating Voltage Range		120~276		
Operating Frequency Range		50Hz; 45~55Hz, 60Hz; 54~66Hz		
Power Factor		≥0.99		
		Max.voltage: 220V: +25%(Op	otional +10%,+15%,+20%)	
		230V: +20%(Optional +10%,+15%)		
Bypass Voltag	ge Range	240V: +15%(Optional +10%)		
		Min. voltage: -45% (Optional -20%, -30%)		
ECO Range		Same as bypass		
Harmonic Distortion (THDi)		≤5%(100% non-linear load)		
OUTPUT	(11101)	10.00(100.101.101.1	missi isaay	
Output Voltage	۵	220/230/2	40Vac	
Power Factor		220/230/240Vac 0.9		
Voltage Regul	lation	±1%		
v Oltage i Negui	Line Mode	±1%/ ±1%/±2%/±4%/±5%/±10% of the rated frequency(Optional)		
requency	Bat. Mode			
Crest Factor	Dat. Mode	(50/60±0.1)Hz		
DIESTI BUTOL		3:1		
Harmonic Dist	tortion (THDv)	≤2% with linear load		
10/		≤5% with non-linear load Pure Sinewave		
Naveform				
Fransfer Time EFFICIENCY		Utility to Battery : 0ms; U	Julies to dypass: Utils	
			40/	
Efficiency		Up to 94%		
BATTERY		0.17 11/11 100/400/400/11		
Battery Voltage		Optional Voltage: ±96/108/120Vdc		
Typical Recha		6~8 hours (To 90% capacity)		
Charging Curr		Maximum cur	rent 10A;	
PROTECTIO				
Overload	Line Mode	Load≤125%: last 5min;≤150%: last 1min		
	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 S	witch off	
NDICATORS				
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		
MANAGEME	NT			
Communication Interface		RS232,USB, Parallel Port, SNMPcard(Optional), Relay card (Optional)		
ENVIRONME	ENT			
		0~40	°C	
Operating Ten	mperature	0~40 -25~5		
Operating Ten Storage Temp	mperature perature		5°C	
Operating Ten Storage Temp Humidity Rang	mperature perature	-25~5	5℃ condensing)	
Operating Ten Storage Temp Humidity Rang Altitude	mperature perature	-25~5 0~95% (Non-c	5°C condensing) Om	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level	mperature perature	-25~5 0~95% (Non-c <1500	5°C condensing) Om	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL	mperature perature ge	-25~5 0~95% (Non-c <1500	5°C condensing) Om B	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W	mperature perature ge ×D×H (mm)	-25~5 0~95% (Non-c <1500 <55d	5°C condensing) Om B	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension Wa	mperature perature ge ×D×H (mm) g)	-25~5 0~95% (Non-c <1500 <55d	5°C condensing) Om B 131 (3U)	
Dperating Tenp Humidity Rang Altitude Noise Level PHYSICAL Dimension W Net Weight (kg STANDARDS	mperature perature ge ×D×H (mm) g) S	-25~5 0~95% (Non-c <1500 <55d	5°C condensing) Om B 131 (3U) 20	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W Net Weight (kg STANDARDS Noise Suppres	mperature perature ge ×D×H (mm) g) S	-25~5 0~95% (Non-c <1500 <55d 443×580× 19	5°C condensing) 0m B 131 (3U) 20 EN62040-2	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety	mperature perature ge ×D×H (mm) g) S	-25~5 0~95% (Non-c <1500 <55d 443×580× 19 Complies with B	5°C condensing) Om B 131 (3U) 20 EN62040-2 EC/EN60950-1	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety	mperature perature ge ×D×H (mm) g) S	-25~5 0~95% (Non-c <1500 <55d 443×580× 19 Complies with B IEC/EN62040-1,IE IEC/EN62040-2,IEC61000-4-2,IE	5°C condensing) 0m B 131 (3U) 20 EN62040-2 6C/EN60950-1 EC61000-4-3,IEC61000-4-4,	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety EMC	mperature perature ge ×D×H (mm) g) S ssion	-25~5 0~95% (Non-c <1500 <55d 443×580× 19 Complies with B IEC/EN62040-1,IE	5°C condensing) 0m B 131 (3U) 20 EN62040-2 6C/EN60950-1 EC61000-4-3,IEC61000-4-4,	
Dperating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety EMC BATTERY PA	mperature perature ge ×D×H (mm) g) S ssion	-25~5 0~95% (Non-c <1500 <55d 443×580× 19 Complies with B IEC/EN62040-1,IE IEC/EN62040-2,IEC61000-4-2,IE IEC61000-4-5,IEC61000	5°C condensing) Om B 131 (3U) 20 EN62040-2 EC/EN60950-1 EC61000-4-3,IEC61000-4-4, D-4-6,IEC61000-4-8	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Bafety EMC BATTERY PA Model	mperature perature ge ×D×H (mm) g) S ssion ACK	-25~5 0~95% (Non-c <1500 <555d 443×580× 19 Complies with E IEC/EN62040-1,IE IEC/EN62040-2,IEC61000-4-2,IE IEC61000-4-5,IEC61000 EXBR±*	5°C condensing) 0m B 131 (3U) 20 EN62040-2 EC/EN60950-1 EC61000-4-3,IEC61000-4-4, 0-4-6,IEC61000-4-8	
ENVIRONME Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety EMC BATTERY PA Model Battery type& Dimensions W:	mperature perature ge ×D×H (mm) g) S ssion ACK Max.quantity	-25~5 0~95% (Non-c <1500 <1500 <555d 443×580× 19 Complies with E IEC/EN62040-1,IE IEC/EN62040-2,IEC61000-4-2,IE IEC61000-4-5,IEC61000 EXBR± 7Ah×20/9,	5°C condensing) 20m B 131 (3U) 20 EN62040-2 EC/EN60950-1 EC61000-4-3,IEC61000-4-4, 0-4-6,IEC61000-4-8 120V Ah×20	
Operating Ten Storage Temp Humidity Rang Altitude Noise Level PHYSICAL Dimension W: Net Weight (kg STANDARDS Noise Suppres Safety EMC BATTERY PA Model Battery type&	mperature perature ge ×D×H (mm) g) S ssion ACK Max.quantity V×D×H (mm)	-25~5 0~95% (Non-c <1500 <555d 443×580× 19 Complies with E IEC/EN62040-1,IE IEC/EN62040-2,IEC61000-4-2,IE IEC61000-4-5,IEC61000 EXBR±*	5°C condensing) Om B 131 (3U) 20 EN62040-2 EC/EN60950-1 EC61000-4-3,IEC61000-4-4, I-24-6,IEC61000-4-8 120V Ah × 20 131 (3U)	

Specifications are subject to change without prior notice.



KSTAR

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
- \cdot 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)
- \cdot 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	
INPUT			
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		
	Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)	
Bypass Voltage Range	230V: +20%(Optional +10%,+15%)		
Bypass voltage range	240V: +15%(Optional +10%)		
	Min. voltage: -45% (Optional -20%,-30%)		
ECO Range	Same as bypass		
Harmonic Distortion (THDi)	≤5%(100% non-linear load)		
OUTPUT			
Output Voltage	220/230/240Vac		
Power Factor	0.9		
Voltage Regulation	±1%		
Frequency Line Mode		of the rated frequency(Optional)	
Bat. Mode	`	± 0.1)Hz	
Crest Factor	3:1		
Harmonic Distortion (THDv)	≤2% with linear load		
VA I Farmer	≤5% with non-linear load		
Waveform	Pure Sinewave		
Transfer Time	Utility to Battery : 0ms; Utility to Bypass: 0ms		
EFFICIENCY	I le te	- 040/	
Efficiency	Up to 94%		
BATTERY	Calastable Vallage: 1.00400400V-I-		
Battery Voltage	Selectable Voltage: ±96/108/120Vdc		
Typical Recharge Time	6~8 hours (To 90% capacity)		
Charging Current PROTECTION	Maximum current 10A		
Line Mode	Load ~ 1259/ Lloat Emin ~ 1509/ Lloat 1n	oins > 1E00/ 200ma turn to hungan mode	
Overload Bypass Mode	40A(Input breaker)	nin;>150% 200ms turn to bypass mode 63A(Input breaker)	
Short Circuit			
Overheat	Hold Whole System Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
Battery Low	Alarm and Switch off		
INDICATORS	/ warm and	J OWILOT OII	
Audible & Visual Alarms	Line Failure Batteny Low	/ Overload System Fault	
Status LED & LCD Display	Line Failure, Battery Low, Overload, System Fault 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		
MANAGEMENT	inpurouplit voitage, inpurouplit requeries, Loud Level, Dattery Level, fine reinpurature a reinaming battery backet inte		
Communication Interface	RS-232,USB,Parallel card, SNMP card(Optional), Relay card (Optional)		
ENVIRONMENT			
Operating Temperature	0~40℃		
Storage Temperature	-25 ~ 55℃		
Humidity Range	0~95% (Non-condensing)		
Altitude	< 1500m		
Noise Level		5dB	
PHYSICAL			
Dimension W×D×H (mm)	443×580)×131(3U)	
Net Weight (kg)	30	31	
STANDARDS			
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		
	IEC01000-4-5,IEC010		
BATTEDY DACK	EVDD : 400V		
BATTERY PACK	EVDD	+120\/	
Model		±120V	
Model Battery type& Max.quantity	7Ah×20	/9Ah×20	
Model	7Ah×20 443×720		

 $[\]cdot \ \, \text{Output factor is changed when selecting different battery quantity. 16PCS:} 0.7; 18PCS: 0.8; 20PCS: 0.9; \\$

 $[\]cdot$ Specifications are subject to change without prior notice.