یو پی اس UPS

شرکت مهندسی تالیران (سهامی خاص)
TALIRAN Engineering PJS Co





UB

1-3kVA

UB series power supply adopts online double conversion design and digital control technology and it features high input and output power factor(0.9). With ECO mode for energy-saving, intelligent battery management and excellent network management, it is a cost-effetive power solution for your critical devices. When UPS is on battery mode, it can shut down unnecessary load and extend the backup time of the critical load.

- True double-conversion
- Digital control guarantees high reliability
- ECO mode operation for energy saving
- Output receptacle control for non-critical load shedding capability
- Emergency power off function(EPO)
- Generator compatible
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Bypass can be used when UPS is off(Setted in LCD)
- Cold start





	MODEL	UB 24-Oct	UB 10	UB 10L	UB 15	UB 15L	UB 20-48	UB 20	UB 20-96	UB 20L	UB 20L-96	UB 30	UB 30-96	UB 30L	UB 30L-96	
	Capacity (VA/Watts)		1000VA/900W 1500VA/1350W 2000VA/1800W 3000VA/270										A/2700W			
	(,						INPUT									
	Nominal	208/ 220/230/240Vac(L+N+PE)														
	Voltage															
	Operating Voltage	110~300Vac @(0~60%) Load;120~300Vac @(60~70%)Load,140~300Vac @(70~80%)Load; 160~300Vac @(80~100%)Load														
	Range	160~300Vac @(80~100%)Load														
Operating																
	Frequency					5	0Hz : 45~5	5Hz, 60Hz	: 55-65Hz	Auto Sensi	ng					
	Range				- 0 05 005	0/1 0 0	5 0 500/1 -	- 1 - 0 07 07	150/ L l - 0	00 @ N		0.4000/1				
F	Power Factor				> 0.85@25	%Load;>0.9	05 @50%Lo	ad;>0.97@7	5%Load;>U	1.99 @ Norr	iinai voitage	& 100%L08	a			
0	utput Voltage	208/220/230/240Vac:230Vac(Default)														
F	Power Factor							0	.9							
	Voltage Regulation		±1%													
	Synchronized Range		45-55Hz ±0.02Hz@ 50Hz, 55-65Hz ±0.02Hz@60Hz													
Frequency	Battery Mode & None Synchronized Range		(50/60±0.02)Hz													
	Crest Factor		3:01													
	Harmonic Distortion							≤3% with	linear load							
	(THDv)							5% with no	n-linear load	1						
	Waveform	≤5% with non-linear load Pure Sinewave														
Т	ransfer Time	Utility to Battery : 0ms; Utility to Bypass: 4ms(Typical)														
			EFFICIENCY 89% 90%													
	AC Mode	0.40/	88%	5%		88% 89% 85% 85% 86%						90%				
-	Battery Mode ECO Mode	84%	00	>93%	0:	370	85%		Ot	070	>94%		C	170		
							BATTERY									
	Battery Type	12V/	9AH	12V	12V/9AH	12V	12V	9AH	12V/7AH	1	2V	12V/9AH	12V/7AH	12V/7AH 12V		
	Numbers Maximum	2	3	3*N	3	3*N	4	6	8	6*N	8*N	6	8	6*N	8*N	
	Charging	,	ı	6.0/12.0	1	6.0/12.0		1		6.0	/12.0		1	6.0	0/12.0	
	Current (A)															
	Charging	27.4V±1%	41.1	V±1%	41	.1V	54.8±1%	82.2V±1%	109.6V±1	82.2V±1%	109.6V±1	82.2V±1%	109.6V±1	82.2V±1%	109.6V±1	
	Voltage(Vdc)				±	1%			%		%		%		%	
	Protect					P	PROTECTIO	oltage(14.7v) /Low-voita	ige(10V)						
Overlo ad	Line Mode				10		30s turn to b		e ; >150% 3	00ms turn t	o bypass m	ode				
Capacity	Battery Mode					105%-150%	6, exceed 30	s shutdown	ı; >150% e	exceed 300r	ns shutdowi	n				
							NDICATOR									
LEL	0 & LCD Display	Load/Battery/Input/Output/Operating Mode Information ALARM														
E	Battery Mode		ALARM Sounding every 4 seconds													
	Battery Low	Sounding every second														
	Overload	Sounding every 0.5 second														
	Fault	Continuously Sounding MANAGEMENT														
Sma	art RS-232/USB															
	Preferential)				External Mo	dbus card s	upported by	RS232,Sof	tware suppo	orts Window	s Family,Lir	nus,FreeBS	ט			
Ir	ntelligent Slot						O (Standard		ependent to	RS-232(Op	otional)					
	Operating					El	NVIRONME	NT								
	Operating Femperature							0 ~	40							
	umidity Range						0	~95% (Nor	n-condensin	g)						
	Altitude								600m							
	Noise Level								1Meter							
	Dimension						PHYSICAL									
\	V×D×H (mm)		1	144×400×21	5						191×468×33	37				
	et Weight (kg)													1	11.3	
N	ot vvoigitt (kg)	11.3										1				
N		11.3	13.7	5.9	13.9		21.9 STANDARD	S		10.6	10.8	27.4	30.1	11.1	1	
Ne	Safety	11.3	13.7	5.9	13.9			S IEC/EN		10.6	10.8	27.4	30.1	11.1		

UB

6-10kVA

UB 6-10K online tower UPS is suited for all business critical usage such as networks, data centers, banking and building automation. The UPS operates on the online double conversion principle offering protection from numerous power problems. It allows the flexible and simple setup of a parallel system. The ECO mode helps you save the electricity fee and maintenance bypass is convenient for maintenance.

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable quantity of battery for each group:16/18/20 pieces
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Cold start







	_											
MODEL		UB60	UB60L		UB100	101/101/	UB100L					
Capacity (VA/W	/atts)	6K / :	5.4K INPUT			10K / 9K						
Nominal Volta	age I			20/230/240\	/ac(L+N+PE)							
Operating Voltage				120Vac-								
Operating Frequence	cy Range	50Hz: 45~55Hz, 60Hz: 54~66Hz										
Power Facto	or		≥0.99									
			Max.voltage: 220	V : +25%(C	ptional +10%,+15%,+20%	·)						
	ŀ											
Bypass Voltage F	Range		230	V : +20%(C	ptional +10%,+15%)							
	Ĭ		240	V : +15%(C	ptional +10%)							
		Min. voltage: -45% (Optional -20%,-30%)										
FCO Banar	_											
ECO Range Harmonic Distortion		Same as bypass ≤5%(100% non-linear load)										
Tidifficino Biotortion	11 (111121)		OUTPUT		ir iiricar ioaa)							
Output Voltag				220/230/	240Vac							
Power Factor				0.								
Voltage Regula	ation			±1	%							
Frequen Line N	Mode		±1%/±2%/±4%/±5	%/±10% of	the rated frequency(Option	nal)						
cy Bat. N	Mode			(50/60±	0.1)Hz							
Crest Facto				3:0								
Harmonic Distortion	(THD)			≤2% with I								
	· (1110V)		<u> </u>	5% with nor								
Waveform				Pure Si	newave							
Transfer Tim	ne		Utility to Ba	attery : 0ms;	Utility to Bypass: 0ms							
			EFFICIEN	CY								
Efficiency				Up to	94%							
			BATTER									
Battery Voltage		Selectable Voltage: ±96/108/120Vdc										
Typical Recharge Charging Curr		6-8 hours (To 90% capacity) Maximum current 10A										
Charging Curr	ent	PROTECTION PROTECTION										
	Lina	TROTECTION										
	Line Mode	Load≤12	ypass mode									
Overload												
	Bypass Mode	40A(Input breaker) 60A(Input breaker)										
Short Circui			Hold Whole System									
Overheat		Line N	Mode: Switch to Byn	ass: Backur	Mode: Shut down UPS in	nmediately						
		Line				imodiatory						
Battery Low	v		INDICATO	Alarm and	SWITCH OTT							
	1				0 1 10 1 5 11							
Audible & Visual	Alarms		Line Failure,	Battery Low	Overload, System Fault							
		Line Made Dealine Made Fee Made Divisor Made Betteriller Divisor Bod On the LOUBOF "										
Status LED & LCD	Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault										
		land (Output Vallage Invest Output Forence on Land Vallage Invest Output Forence on Land Vallage Invest Output										
Parameters On Th	ne LCD	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level,										
Panel		Inner Temperature & Remaining Battery Backup Time										
			MANAGEM									
	T		IVIANAGEIV	IENI								
Communication In	nterface	RS-232,U	SB,Parallel card(Or	otional), SNI	MP card(Optional), Relay o	ard (Optiona	ıl)					
0 " -			ENVIRONN		10							
Operating Temper Storage Temper		0 ~40										
Storage Temper Humidity Ran		-25 ~55 0~95% (Non-condensing)										
Altitude	.90	0~95% (Non-condensing) <1500m										
Noise Leve	·I			<55								
			PHYSICA	AL.								
Dimension W×D×	H (mm)	250×502×616	220×481×4	38	250×502×616		220×481×438					
Net Weight (k	(a)	62	18		64	$\overline{}$	20					
, tot tvoignt (F	-31	<u> </u>	STANDAR	RDS			25					
Noise Suppres	sion		С	omplies with	EN62040-2							
Safety			IEC/	EN62040-1,	IEC/EN60950-1							
			IEC/EN62040-2,IE	C61000-4-2	,IEC61000-4-3,IEC61000-	4-4,						
EMC	}				· · · · · · · · · · · · · · · · · · ·							
			IEC61000	-4-5,IEC610	00-4-6,IEC61000-4-8							
			BATTERY F									
Model				EXB±								
Battery type& Max.				7Ah×40/								
Dimensions W×D× Net Weight (k				250×50								
I INCL V V CIUITL (F	\y/	125.8/138										

UBR

1-3kVA

UBR is small capacity UPS, the output factor is 0.9, and power range is from 1kVA to 3kVA. Deployment is very flexible, tower and rack-mounted can be configured according to customer's requirement. When UPS is on battery mode, it can shut down unnecessary load and extend the backup time of the critical load.

- 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
- Digital control guarantees high reliability
- Output receptacle control for non-critical load shedding capability
- ECO mode operation for energy saving
- Emergency power off function(EPO)
- Generator compatible
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Bypass can be used when UPS is off(Setted in LCD)
- Cold start





		UBR	UBR	UBR	UBR	UBR	UBR	UBR	UBR	UBR	UBR	UBR	UBR		
MODEL		10	Oct-36	10L	10L-36	15	15L	20	20-72	20L	20L-72	30	30L		
Capac	city (VA/Watts)		1000V	4/900W	•	1500VA	/1350W		2000VA/1800V	٧		3000VA	/2700W		
							INPU ⁻	Г							
Non	ninal Voltage		208/ 220/230/240Vac(L+N+PE)												
Oper	rating Voltage		110~300Vac @(0~60%) Load;120~300Vac @(60~70%)Load,												
	Range		140~300Vac @(70~80%)Load;160~300Vac @(80~100%)Load												
Opera	ting Frequency		50Hz: 45~55Hz, 60Hz: 55-65Hz Auto Sensing												
	Range	> 0.85@25%Load;>0.95 @50%Load;>0.97@75%Load;>0.99 @ Nominal voltage& 100%Load													
Po	ower Factor			:	> 0.85@25	%Load;>0.			oad;>0.99 @ Noi	minal voltag	je& 100%L	oad			
0		I					OUTPL		10) //D-fH)						
	tput Voltage ower Factor						208/	220/230/240Vac:23	30Vac(Default)						
	ge Regulation														
Volta	Synchronized	±1%													
	Range		45-55Hz ±0.02Hz@ 50Hz, 55-65Hz ±0.02Hz@60Hz												
Frequency	Battery Mode &														
, , , , , , , ,	None Synchronized							(50/60±0.02)	Hz						
	Range							/							
С	rest Factor		3:01												
Harm	onic Distortion		3:∪1 ≤3% with linear load												
	(THDv)		≤5% with non-linear load												
W	Vave form		Pure Sinewave												
Tr	ansfer time		Utility to Battery : 0ms; Utility to Bypass: 4ms(Typical)												
			EFFICIENCY												
,	AC Mode	88%				88%			89%			90%			
Ва	attery Mode	84%	85%	84%	85%	85	5%	85%	86%	85%	86%	87%			
Е	CO Mode							94%							
		ı					BATTE								
	attery Type		12V/7AH		2V T	12V/9AH	12V	12V/9AH	12V/7AH		2V	12V/9AH	12V		
	Numbers	2	3	2*N	3*N	3	3*N	4	6	4*N	6*N	6	6*N		
	num Charging Current (A)	1	1	6.0/	12.0	1	6.0/12.0	1	1	6.0/	12.0	1	6.0/12.0		
	Charging				6 41.1±1%							- 101			
V	oltage(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) /Lov	w-voltage(10v)						
							PROTEC	TION							
Overload	Line Mode				10	5%-150%,	30s turn to	bypass mode; >1	50% 300ms turn	to bypass r	mode				
Capacity	Battery Mode					105%-150		30s shutdown; >1	50% exceed 300	ms shutdo	wn				
	0 LOD D'!-						INDICAT		dina 88- de 1						
LED	& LCD Display					Lo		/Input/Output/Opera	ung wode Inforn	iation					
p.	attery Mode		ALARM Sounding every 4 seconds												
	attery Low	Sounding every 4 seconds Sounding every second													
	Overload	Sounding every 0.5 second													
	Fault							Continuously So							
							MANAGEI	MENT							
Smar	t RS-232/USB			_	vtor! **	dhuc ===:	oune est - 1	hu D0000 0-ft	oupports latter	wo F"	inus F	en en			
(P	referential)				.xternal Mo	upus card	ьирропеа	by RS232,Software	supports vvindo	ws ramily,l	_mus,FreeE				
Int	elligent Slot					SNN	IP (Standa	rd or mini) independ	dent to RS-232(C	ptional)					
							ENVIRON	MENT							
Operati	ng Temperature							0 ~40							
Hur	nidity Range							0~95% (Non-cond	densing)						
	Altitude							< 1500m,							
N	oise Level							<50dB@ 1Me	eter						
	and Market and the second				10.05.5		PHYSIC				1002.5				
	on W×D×H (mm)	40 -	45.5	440×43		75.5		440×572×86.5	440×696×86.5		72×86.5	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 Pns	27.6	10.7	10.8	28.5	11.2		
	Safety						STANDA	IEC/EN6204	0-1						
	Safety														
	LIVIO	MC IEC/EN62040-2													

UBR

6-10kVA

UBseries UPS is a single-phase uninterruptible power supply with double-conversion technology and DSP control. It delivers a rated power of 6-10kva and can be used in both tower and rack configurations. The patented minic LCD screen can be rotated according to different type of deployment.

- True double-conversion
- Rack-mounted and floor-standing tower can be convertible
- Patented Minic 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
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- PDU is convenient for connecting load
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Cold start





MODE	FI	UBR60L	UBR100L								
Capacity (V		6K / 5.4K	10K / 9K								
		INPUT									
Nominal V Operating V		220/230/240Vi									
Rang Operating Fi	ge	120Vac-2									
Rang	је	50Hz : 45~55Hz,									
Power F.	actor	≥0.99 Max.voltage: 220V : +25%(Optional +10%,+15%,+20%)									
Bypass Volta	ige Range	230V : +20%(Optional +10%,+15%)									
		240V : +15%(Optional +10%)									
		Min. voltage: -45% (Optional -20%,-30%)									
ECO Ra Harmonic D	Distortion	Same as ≤5%(100% nor									
(THE		OUTPUT									
Output Vo Power F Voltage Re	actor	220/230/ 0.9 ±191	9								
	Line Mode	±1%/±2%/±4%/±5%/±10% of the									
05	Bat. Mode	(50/60±0									
Crest Fa		3:0 ≤2% with lir									
(THD		≤5% with non-									
Wavefo	om	Pure Sin	ewave								
Transfer	Time	Utility to Battery : 0ms;	Utility to Bypass: Oms								
Efficier	ncy	EFFICIENCY Up to 9	94%								
Battery V		BATTERY									
Typical Recha		Optional Voltage: ±96/108/120Vdc 6-8 hours (To 90% capacity)									
Charging C		Maximum current 10A;									
		PROTECTION									
	Line Mede	Load≤125%: last 5min;≤150%: last 1min	x > 150% 200ms turn to hunges mode								
Overload	Line Mode	Lodd 2 (20%), last Offin, 2 (00%), last Iffin	, > 130 / 200113 tull to bypeas filode								
	Bypass Mode	40A(Input breaker)	60A(Input breaker)								
Short Ci	ircuit	Hold Whole	e System								
Overho	eat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately									
Battery	Low	Alarm and S	Switch off								
A collection O	A flavoral	INDICATORS									
Audible & alarm		Line Failure, Battery Low,	Overload, System Fault								
Status LED) & LCD	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault									
Reading On		Input/Output Voltage, Input/Output Frequ	uency, Load Level, Battery Level, Inner								
Displa	ay	Temperature & Remaining	g Battery Backup Time								
		MANAGEMENT									
Communi	ication	RS232,USB, Parallel Port, SNMPcar	rd(Optional), Relay card (Optional)								
Interfa	ace	PARAMATA									
Operat Temper	ting	ENVIRONMENT 0 ~4	40								
Storage Ten	nperature	-25 ~	-55								
Humidity I		0~95% (Non- < 150									
Noise L		< 55c PHYSICAL	dB								
Dimens W×D×H		443×580×1	131 (3U)								
Net Weigl	ht (kg)	19 STANDARDS	20								
Noise Supp	oression	Complies with	EN62040-2								
Safet	ty	IEC/EN62040-1,II	EC/EN60950-1								
EMC		IEC/EN62040-2,IEC61000-4-2,I	IEC61000-4-3,IEC61000-4-4,								
		IEC61000-4-5,IEC6100	00-4-6,IEC61000-4-8								
Mode		BATTERY PACK EXBR±									
Battery t Max.qua	antity	7Ah×20/9	9Ah×20								
Dimens W×D×H	ions (mm)	443×720×									
Net Weigl		65/7	75								

UC 10-20kVA

UC100-200 series UPS is a three-phase in and one-phase out high frequency tower-mounted UPS with an output power factor up to 0.9 and a strong load capacity. It adopts leading DSP online double conversion technology to provide high-level power protection. It supports flexible battery quantity configuration, flexible redundancy design and compatible to the generator to fit diverse environment. It has been widely used in small and medium IDC machine room, control center, industry process control fields and so on.

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Compatible with three-phases and single-phase input
- Selectable quantity of battery for each group:16/18/20 pieces
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications:RS-232,USB,Parallel card(Optional),SNMP card(Optional), Relay card (Optional)
- Cold start





	DDEL	UC100	UC100L	UC150L	UC200L						
Capacity	(VA/Watts)	10K / 9K 15K / 13.5K 20K / 18k									
			INPUT								
	al Voltage		380/400/415Vac(3Ph+N+P	E) or 220/230/240Vac(L+N+PE)							
Voltag	erating e Range	208~478Vac or 120VAC-276Vac									
	erating ncy Range		50Hz : 45~55H	lz, 60Hz : 54~66Hz							
	r Factor		:	≥0.99							
Ву	pass		Max.voltage: 220V: +25%	%(Optional +10%,+15%,+20%)							
	_			%(Optional +10%,+15%)							
Voltag	e Range	240V: +15%(Optional +10%)									
FCO	Range			% (Optional -20%,-30%) as bypass							
Har	monic			non-linear load)							
Distort	on (THDi)		OUTPUT	Tion in our load,							
	Voltage			30/240Vac							
	r Factor Regulation			0.9 ±1%							
	Line Mode		±1%/±2%/±4%/±	5%/±10% of the rated							
Frequency	Bat. Mode			ncy(Optional) 60±0.1)Hz							
Cres	: Factor			3:01							
Har	monic		≤2% wi	th linear load							
	on (THD)			non-linear load							
	eform fer Time			Sinewave							
Trans	ler Time		EFFICIENCY	ns; Utility to Bypass: 0ms							
Effi	ciency	Up to	94%	Up to	94.5%						
	·		BATTERY								
	Voltage		Selectable Volta	age: ±96/108/120Vdc							
,	pical rge Time		6-8 hours (7	Го 90% capacity)							
	g Current			m current 10A							
			PROTECTION								
	Line Mode		Load≤125%: last 5min;≤1	50%: last 1min;>150% 200ms							
Overload			turn to k	oypass mode	Γ						
	Bypass Mode	63A(Inpu	t breaker)	100A(Input breaker)	125A(Input breaker)						
Shor	Circuit	Hold Whole System									
Ove	erheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately									
Batte	ery Low		Alarm a INDICATORS	nd Switch off							
Auc	ible &			and Organization Facility							
Visua	Alarms	Line Failure, Battery Low, Overload, System Fault									
Statu	s LED &	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low,									
LCD	Display	Battery Bad, Overload & UPS Fault									
Param	eters On	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level,									
The LC	D Panel	Inner Temperature & Remaining Battery Backup Time									
Carrin	unication	MANAGEMENT									
Comm		RS-232,USB,Parallel card(Optional), SNMP card(Optional), Relay card (Optional)									
Int	errace .		END (ID ON METALT								
Int	erface		ENVIRONMENT	0 ~40							
Operating	Temperature		0								
Operating Storage 1	Temperature emperature		0 -25	~55							
Operating Storage T Humid	Temperature		0 -25 0~95% (N								
Operating Storage T Humid All	Temperature femperature ty Range	<58	0 -25 0~95% (N <	~55 Ion-condensing) 1500m	3dB						
Operating Storage 1 Humid Alt Nois	Temperature emperature ty Range		0 -25 0~95% (N <	~55 lon-condensing) 1500m <51	3dB						
Operating Storage 1 Humid Alt Nois Dim W×D:	Temperature emperature ty Range itude a Level ension EH (mm)	250×597×655	0 -25 0~95% (N < 5dB PHYSICAL	~55 lon-condensing) 1500m							
Operating Storage 1 Humid Alt Nois Dim W×D:	Temperature iemperature ty Range itude e Level		0 -25 0~95% (N < 5dB PHYSICAL	~55 lon-condensing) 1500m <51	3dB 46						
Operating Storage T Humid Alt Nois Dim W×D:	Temperature emperature ty Range itude a Level ension EH (mm)	250×597×655	0 -25 0~95% (N < 5dB PHYSICAL 35 STANDARDS	~55 lon-condensing) 1500m							
Operating Storage T Humid Alt Nois Dim W×D: Net W:	Temperature emperature ty Range itude a Level ension eH (mm) eight (kg)	250×597×655	0 -25 0~95% (N < 5dB PHYSICAL 35 STANDARDS Complies v	~55 lon-condensing) 1500m <51 250×502×616							
Operating Storage T Humid Alt Nois Dim W×D: Net W: Noise S	Temperature iemperature ty Range itude e Level ension iH (mm) eight (kg) uppression fety	250×597×655 76	0 -25 0~95% (N 6dB PHYSICAL 35 STANDARDS Complies (IEC/EN62040)	~55 on-condensing) 1500m <51 250×502×616 45 with EN62040-2	46						
Operating Storage T Humid Alt Nois Dim W×D: Net W: Noise S	Temperature iemperature ty Range itude e Level ension i-H (mm) eight (kg)	250×597×655 76	0 -25 0~95% (N < 5dB PHYSICAL 35 STANDARDS Complies v IEC/EN62040-2,IEC61000-4	~55 Ion-condensing) 1500m	46						

UCR

6-10kVA

UCR60-100 series UPS is a Rack/Tower convertible UPS solutions which integrates true double-conversion design, DSP technology to provide clean high-level quality power as well as better voltage conditions to different application. What is more, with N+X parallel redundancy, it can achieve higher availability and MTBF (mean time between failure) to fully protect mission-critical devices.

- True double-conversion
- Rack-mounted and floor-standing tower can be convertible
- LCD panel 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
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications:RS-232,USB,Parallel card(Optional),SNMP card(Optional), Relay card (Optional)
- Cold start



	MODEL		UCR60L	UCR100L								
Сара	city (VA/M	/atts)	6K / 5.4K	10K / 9K								
No	:!\/-!		INPUT	2200/220/240V(zz/L+NLPF)								
	minal Volta	•	380/400/415Vac(3Ph+N+PE)									
·	Range		208~478Vac or 120VAC-276Vac									
Opera	ating Frequ Range	iency	50Hz : 45~55Hz,	50Hz: 45~55Hz, 60Hz: 54~66Hz								
	ower Facto			.99								
Вур	pass Volta	ge		Optional +10%,+15%,+20%)								
	D		·	Optional +10%,+15%)								
	Range		240V:+15%(Optional+10%) Min. voltage: -45% (Optional -20%,-30%)									
E	CO Range	Э		s bypass								
	Harmonic		≤5%(100% nc	•								
DIS	tortion (TH	DI)	OUTPUT									
	tput Volta			0/240Vac								
	ower Facto			.9 1%								
Frequen	Line I			the rated frequency(Optional)								
су	Bat.N			±0.1)Hz								
	rest Facto	r	3)	01								
	Harmonic	ID)		linear load								
	stortion (The Naveform	טו)	≤5% with no	n-linear load inewave								
	ansfer Tim	ne		; Utility to Bypass: 0ms								
	unoiei IIII		EFFICIENCY	, Juney to Dypass. Offis								
	Efficiency		Up to	94%								
Po	ttery Volta	~~ 1	BATTERY Solostable Voltage	e: ±96/108/120Vdc								
	Recharge			90% capacity)								
Cha	rging Curr	ent		current 10A								
		т т	PROTECTION									
Ove	rload	Line Mode	Load≤125%: last 5min;≤150%: last 1m	in;>150% 200ms turn to bypass mode								
		Bypass Mode	40A(Input breaker)	63A(Input breaker)								
	hort Circui	it		p Mode: Shut down UPS immediately								
	Battery Lov	v	***	Switch off								
			INDICATORS									
Audible	e &Visual A	Alarms	Line Failure, Battery Low	v, Overload, System Fault								
Status L	ED &LCD	Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault									
	rameters (Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time									
The	e LCD Par	IEI	MANAGEMENT									
Commu	ınication Ir	terface		card(Optional), Relay card (Optional)								
			ENVIRONMENT									
	ing Tempe		0 ~									
Storag	ge Tempei midity Ran	rature	-25 / 0~95% (Nor	~55 n-condensing)								
пиі	Altitude	90		n-condensing) 500m								
N	loise Leve		<58	5dB								
Dimor-	ion MvL.	D (mm)	PHYSICAL 443×131	×590/311/								
	ion W×H× t Weight (l	, ,	30 443×131	×580(3U) 31								
			STANDARDS									
Nois	e Suppres	sion		h EN62040-2								
	Safety		IEC/EN62040-1 IEC/EN62040-2,IEC61000-4-2	,IEC/EN60950-1 2,IEC61000-4-3,IEC61000-4-4,								
	EMC			000-4-6,IEC61000-4-8								
			BATTERY PACK									
	Model			±120V								
l l	attery type lax.quantit		7Ah×20	/9Ah×20								
	Dimensions	3		×720(3U)								
	/×H×D (mr t Weight (l			57								
	- '											

UD

10-80kVA

UD series online double conversion UPS System adopts advanced DSP control and N+X redundancy design to enhance the reliability. With high power factor (PF) and ECO mode operation for energy saving, UD series is the cost-effective choice in the industry. It has been widely used for server rooms, personal computers, data warehouses, medical clinics, industrial application and office facilities.

- True double-conversion
- Real-time digital signal processor (DSP) control
- N+X parallel redundancy
- Selectable quantity of battery for each group:for long run unit
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)
- Cold start



	MODEL		LID40 / LID40I	LID45 / LID451	LID20 (LID20I	HD30 / HD30I	LIDANI	HDCOL	LIDSOL			
Capacity (VA/Watts)			10K / 9K	UD15 / UD15L 15K / 13.5K	UD20 / UD20L 20K / 18K	30K / 27K	UD40L 40K / 36K	UD60L 60K / 54K	UD80L 80K / 72K			
Capi		,	13107310	1017 10.01	INPUT	JORTZIN	-51(/ 501(3317 3410	JUN 12IN			
No	minal Voltag	e	380/400/415Vac(3Ph+N+PE)									
Operat	ing Voltage F	Range			208~478Vac@	half load; 305~47	BVac@full load					
Operatin	g Frequency	Range			50Hz : 4	5~55Hz, 60Hz :	54~66Hz					
_						≥0.99						
·	Power Factor			N	/lax.voltage: 220V	: +25%(Optional +	10%,+15%,+20%)				
					230V : +	20%(Optional +10	%,+15%)					
Bypas	ss Voltage R	ange	240V : +15%(Optional +10%)									
			Min. voltage: -45% (Optional -10%, -20%,-30%)									
1	ECO Range					Same as bypass						
Harmon	ic Distortion	(THDi)			≤3%	(100% non-linear l	oad)					
					OUTPUT							
	utput Voltage				380/4	00/415Vac(3Ph+N	I+PE)					
	Power Factor					0.9						
Volt	age Regulat					±1%						
Frequ	ency	Line Mode		±1	1%/±2%/±4%/±5%	/±10% of the rated	frequency(Option	ial)				
		Bat. Mode				50/60(1±0.1%)Hz						
<u> </u>	Crest Factor					3:01	J					
Harmon	ic Distortion	(THDv)				2% with linear load						
	Movester				≤5°	% with non-linear lo	oad					
	Waveform ransfer Time				Hallian As Dorr	Pure Sinewave ery : 0ms; Utility to	Pynage: One a					
	ranster time)			<u>*</u>	ery : oms; otility to	Bypass: ums					
	Efficiency		EFFICIENCY 95%									
	Liliciency				BATTERY	9376						
			+120Vdc									
Battery	Stand	ard unit	±120Vdc (20pcs 12V9AH) ±120Vdc (2x20pcs 12V9AH)			(3x20pcs 12V9AH)		N/A				
Voltage	Long i	run unit	Sele	oltage:±192V/±2	04V/±216V/							
Charging	Stand	ard unit	1.35 2.7 4.05					N/A				
Current (A)	Long	run unit		Max.current 10A		Max.cur	ent 15A	Max.curi	ent 30A			
			PROTECTION									
	Line Mode		Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, ≥150% shut down UPS immediately									
Overload	Bat. Mode								·			
	Bypas Short Circuit	s Mode	20A(Input breaker)	32A(Input breaker)	40A(Input breaker)	63A(Input breaker)	80A(Input breaker)	100A(Input breaker)	125A(Input breaker)			
<u> </u>	Overheat		Hold Whole System Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately									
	Battery Low		Alarm and Switch off									
			INDICATORS									
Audibl	e & Visual A	larms	Line Failure, Battery Low, Overload, System Fault									
	ED & LCD [Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault									
	rs On The L0		Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery									
				N	MANAGEMENT							
Comm	unication Inte	erface	RS-232,RS-485,USB,Parallel card, SNMP card(Optional), Relay card (Optional),Battery temperature sentor(optional)									
				Е	NVIRONMENT							
Opera	iting Temper	ature				0~40						
	ige Tempera					-25~55						
Hu	umidity Rang	е			0~9	95% (Non-condens	sing)					
	Altitude		< 1500m									
	Noise Level			<55dB	DI MOIC : :	<58	dB	<63	dB			
D:	niam MAINTON	(mama)			PHYSICAL			000.00	004000			
	sion W×D×H		445/57	170/00	250×828×868	200/71	70	360×82				
Ne	et Weight (kg	3)	115/57	170/63	171/64 STANDARDS	223/71	73	118	122			
Nois	se Suppress	ion				nplies with EN6204	10-2					
	Safety					162040-1,IEC/EN6						
	· · ·			IEC		31000-4-2,IEC6100		4-4,				
	EMC							-				
			IEC61000-4-5,IEC61000-4-6,IEC61000-4-8									

Line Interactive UPS- UA Family

400-3000VA

UA series line interactive UPS designed with excellent charging mode. It not only offers great comprehensive power protection against surges and spikes, but also provides pure voltage with AC voltage stabilizer. It is easy to install&operate. With compact size and built-in self-diagnostic function, It is an ideal backup power for termianl equipment, PC, station, SOHO equipments.

- AVR boost and buck
- Cold start function
- Smart RS-232/USB interface for power management
- Built-in self-diagnostic function
- Modem/LAN internet protection
- Generator compatible(Optional)



Model	UA40	UA60	UA80	UA100	UA120	UA150	UA200	UA240	UA300					
Capacity	100 1010	0001000	000 4400	40001000	40001700	4500 4000	0000 / 4000	0.4004.4.40	0000 / 4000					
(VA/Watts)	400 / 240	600/ 360	800 /480	1000/ 600	1200/ 720	1500 / 900	2000 / 1200	2400/ 1440	3000 / 1800					
		INPUT												
Nominal Input				110/12	0Vac or 220/230/2	240 Vac								
Voltage				110/12	0 Vac 01 220/230/2	-40 Vac								
Operating				81-	145Vac/162-290	Vac								
Voltage Range														
Operating					50/60 Hz (1±10%))								
FrequencyRange														
	<u> </u>			OUTPU	Т									
Output Voltage														
range				Simulated Sin	ewave at nominal	voltage ±10%								
(Batt. Mode)														
Frequency Range	50 Hz or 60 Hz ± 1 Hz													
(Batt. Mode)	Tunical 2-8 ms 10ms may													
Transfer Time	Typical 2-6 ms, 10ms max. BATTERY													
	BATTERY													
Battery Type	12V/4.5Ah x 1	12V/7Ah x 1	12V/9Ah x 1	12V/7Ah x 2	12V/7Ah x2	12V/9Ah x 2	12V/9Ah x 2	12V/7Ah x 4	12V/9Ah x 4					
& Number														
Typical Recharge	6-8 hours (To 90% capacity)													
Time														
Full Protection	PROTECTION Overload and overcharge protection													
ruii Frotection				INDICATO		JOIC CHOIT								
				INDIOATO				AC Mode, Battery						
			Mode, Load Level, Battery Level, Input											
Indicators				Voltage, Output										
			Voltage, Overload,											
									attery Low					
				ALARI	1				,					
Battery Mode				Sour	iding every 10 sec	conds								
Battery Low				So	unding every seco	ond								
Overload				Soul	nding every 0.5 se	cond								
Battery														
Replacement				Sou	nding every 2 sec	onds								
Alarm														
Fault				Co	ntinuously sound	ing								
				Managem	ent									
USB & RS-232														
222 6 110-202			Supports Wind	ows® 2000/2003/	XP/Vista/2008, Wi	indows® 7, Linux,	Unix, and MAC							
port(Optional)														
				Environm	ent									
Operating					0- 40°C									
Temperature														
Humidity Range					5 % (Non-condens									
Noise Level					o (1 meter from su	rface)								
				PHYSIC	AL .									
Dimension,		101×298×142		149.3×3	338×162	158×3	80×198	144×43	2.5×207					
W x D x H (mm)			Γ				I							
Net Weight (kg)	3.55	4.25	4.9	7.8	8	11.1	11.5	20	23					
				STANDAF		20050.4								
Safety		150.5	00040 0150015		162040-1;IEC/EN6		204000 4 0 1705	000.4.0						
EMC		IEC/EN	62040-2;IEC6100	u-4-z;iEC61000-4	-3;IEU61000-4-4;I	EC01000-4-5;IEC	ю тиии-4-6;IEC61	υυυ-4-δ						

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