یو پی اس UPS

شركت مهندسي تاليران (سهامي 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)		000VA/900			V1350W	20-40		20-96 000VA/1800		201-96	30		A/2700W	301-80								
	(v/vvvaiis)						INPUT																
	Nominal						200	1 220/220/2	40\/no/L+N	+DE)													
	Voltage	208/ 220/230/240Vac(L+N+PE)																					
	Operating				110~300V	ac @(0~60%	2000	50 9 6 GM DOC 00 PC	1904000 POLICE PO PE 140		0Vac @(70-	-80%)Load	É										
	Voltage 160~300Vac @(80~100%)Load																						
	Range																						
	Operating  Frequency 50Hz: 45~55Hz, 60Hz: 55-65Hz Auto Sensing																						
	Range						CONTRACT IN																
F	ower Factor				> 0.85@25	%Load;>0.9	5 @50%Lo	ad;>0.97@7	'5%Load;>0	.99 @ Nom	inal voltage	& 100%Loa	d										
5	7						OUTPUT																
	utput Voltage						208/22	0/230/240V		Default)													
F	Power Factor							0	.9														
	Voltage Regulation							±1	1%														
	Synchronized Range					45	-55Hz ±0.0	2Hz@ 50Hz	, 55-65Hz ±	0.02Hz@60	Hz												
Frequency	Battery Mode & None Synchronized Range	45-55Hz ±0.02Hz@ 50Hz, 55-65Hz ±0.02Hz@60Hz (50/60±0.02)Hz																					
	Crest Factor							3;	01														
	Harmonic							< 20/	linear load														
	Distortion							≤3% With	linear load														
	(THDv)						5	5% with no		d													
	Waveform								newave														
) 8I	ransfer Time						EFFICIENC	y : 0ms; Util	ity to Bypas	s: 4ms(Typi	cal)												
	AC Mode		88%		8	8%	EFFICIENC	1	89%			r	g	90%									
	Battery Mode	84%		5%	85% 85% 86%						87%												
	ECO Mode			>93%							>94%												
							BATTERY																
	Battery Type		9AH	12V	12V/9AH	12V		9AH	12V/7AH	1:	2V	12V/9AH	12V/7AH	3	12V								
-	Numbers	2	3	3*N	3	3*N	4	6	8	6*N	8*N	6	8	6*N	8*N								
	Maximum Charging	1 6.0/12.0 1 6.0/12.0 1 6.0/12.0 1 6.0									0/12.0												
	Current (A)		0.1	0.0/12.0		0.0012.0				0.0,	12.0				3.72.0								
	Charging	07 41/-40/	997.90		41	.1V			109.6V±1		109.6V±1		109.6V±1		, 109.6V±1								
	Voltage(Vdc)	27.4V±1%	41.1	V±1%	±	1%	54.8±1%	82.2V±1%	%	82.2V±1%	%	82.2V±1%	%	82.2V±19	%								
	Protect						Over-vo	oltage(14.7v	) /Low-volta	ige(10v)													
		·					ROTECTIO																
Overlo ad Capacity	Line Mode Battery Mode				10	105%-150%, 3																	
Capacity	battery wode						NDICATOR	180000000000000000000000000000000000000	1, -130% €	Aceed 3001	iis siiutuowi	80											
LEC	& LCD Display	Ì						put/Output/0	Operating M	lode Informa	ation												
							ALARM																
E	Battery Mode						S	ounding eve	ery 4 second	is													
	Battery Low							Sounding e															
	Overload						S	Continuous		200													
	Fault					5.0	ANAGEMEI	Continuous	ny countaing	9													
Sma	art RS-232/USB												20										
	Preferential)				External Mo	dbus card s	upported by	RS232,Sof	tware suppo	orts Window	s Family,Lir	nus,FreeBS	D										
Ir	ntelligent Slot					SNMF	(Standard	or mini) ind	ependent to	RS-232(Op	tional)												
						E	NVIRONME	NT															
	Operating							0 ~	-40														
Temperature 0 ~40							-	~ QE0/ /N	nonda	a).													
Humidity Range						0~95% (Non-condensing)																	
H								< 15	00m						< 1500m <50dB@ 1Meter								
	Altitude Noise Level																						
	Altitude						PHYSICAL	<50dB@															
	Altitude			1445-400	E		PHYSICAL	<50dB@			1044400	17											
	Altitude Noise Level		- 4	144×400×21	5		PHYSICAL	<50dB@		1	91×468×33	17											
1	Altitude Noise Level Dimension	11.3	13.7	144×400×21	5 13.9	6.2	21.9	<50dB@		10.6	191×468×33	7 27.4	30.1	11.1	11.3								
1	Altitude Noise Level Dimension V*D*H (mm) et Weight (kg)	11.3			_			<50dB@	29.6				30.1	11.1	11.3								
1	Altitude Noise Level Dimension V×D×H (mm)	11.3			_		21.9	<50dB@	) 1Meter				30.1	11.1	11.3								

### **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	UB100L						
Capacity (VA/M	/atts)	6K /		101	( / 9K						
Nominal Volta	200		INPUT 220/230/	240Vac(L+N+PE)							
Operating Voltage				Vac-276Vac							
Operating Frequence				Hz, 60Hz : 54~66Hz							
Power Factor	or	≥0.99									
			Max.voltage: 220V: +25	%(Optional +10%,+15%,+20%)							
5 1/ 1/ 1/	_		230V : +20	%(Optional +10%,+15%)							
Bypass Voltage I	Range		1-17-20-0	%(Optional +10% )							
			(Inches)	5% (Optional -20%,-30%)							
ECO Range Harmonic Distortion				e as bypass 6 non-linear load)							
Harmonic Distortio	li (THUI)		OUTPUT	o non-linear load)							
Output Volta	ge		The state of the s	230/240Vac							
Power Facto				0.9							
Voltage Regula	ation			±1%							
Frequen Line I	Mode		±1%/±2%/±4%/±5%/±10%	6 of the rated frequency(Optional)							
cy Bat. N	Mode		(50	/60±0.1)Hz							
Crest Facto	22.24.5.10		(0.0	3:01							
Harmonic Distortion	n (THDv)			vith linear load							
Waveform	See Statement and See See			n non-linear load							
1 55 00 000	7		20192 D. S. 10 6	e Sinewave							
Transfer Tin	ne		Utility to Battery : 0	oms; Utility to Bypass: 0ms							
			EFFICIENCY								
Efficiency				p to 94%							
Battery Volta	ae I		Selectable Vo	tage: ±96/108/120Vdc							
Typical Recharge				(To 90% capacity)							
Charging Curr			Maximum current 10A								
	, ,		PROTECTION								
Overload	Line Mode	Load≤1	Load≤125%: last 5min;≤150%: last 1min;>150% 200ms turn to bypass mode								
	Bypass	40A(Input	t breaker)	60A(Inpi	it breaker)						
Chart Circu	Mode	- Tor I(III) or	Hold Whole System								
Short Circu	it.	es e			r arthonol til						
Overheat		Line N		ckup Mode: Shut down UPS imme	diately						
Battery Lov	V			and Switch off							
	gavenous est		INDICATORS								
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 Ti	he LCD	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level,									
Panel		Inner Temperature & Remaining Battery Backup Time									
			MANAGEMENT								
Communication Ir	nterface	RS-232,U	SB,Parallel card(Optional)	SNMP card(Optional), Relay card	(Optional)						
			ENVIRONMENT								
Operating Tempe				~40							
Storage Temper				5 ~55							
Humidity Ran Altitude	ige			Non-condensing) < 1500m							
Noise Leve	el .			<55dB							
			PHYSICAL								
Dimension W×D×	H (mm)	250×502×616	220×481×438	250×502×616	220×481×438						
Net Weight (I	kg)	62	18	64	20						
14Ct 44Cigitt (i	- 3		STANDARDS		**						
	-Term		The state of the s	with EN62040-2							
Noise Suppres	sion	IEC/EN62040-1,IEC/EN60950-1									
	sion			IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,							
Noise Suppres Safety	ssion			0-4-2,IEC61000-4-3,IEC61000-4-4,	(						
Noise Suppres	ssion		IEC/EN62040-2,IEC61000	0-4-2,IEC61000-4-3,IEC61000-4-4,	3						
Noise Suppres Safety	sion		IEC/EN62040-2,IEC61000	: -ibac car ci-ar ann :							
Noise Suppres Safety	ssion		IEC/EN62040-2,IEC61000 IEC61000-4-5,IEC	C61000-4-6,IEC61000-4-8							
Noise Suppres Safety  EMC  Model Battery type& Max.	.quantity		IEC/EN62040-2,IEC61000 IEC61000-4-5,IEC BATTERY PACK	: -ibac car ci-ar ann :							
Noise Suppres Safety EMC	.quantity ×H (mm)		IEC/EN62040-2,IEC61000 IEC61000-4-5,IEC BATTERY PACK E 7Ah 250	C61000-4-6,IEC61000-4-8  XB±120V							

### **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





O <sub>V</sub>	-	Linn	Line	Linn	Line	Linn	unn	LIDO	Linn	unn	Hop	LIDO	1100
	MODEL	UBR 10	UBR Oct-36	UBR 10L	UBR 10L-36	UBR 15	UBR 15L	UBR 20	UBR 20-72	UBR 20L	UBR 20L-72	UBR 30	UBR 30L
Capac	city (VA/Watts)	10	_ C002.101/.	4/900W	101-30		V1350W	20	2000VA/1800V	100000	201.12	1233	/2700W
3373	., (1111111111)				2		INPU	I.		:		333310	
Non	ninal Voltage	T T					3000000	208/ 220/230/240Va	ic(L+N+PE)				
0.5000	ating Voltage					110~3		0~60%) Load;120~		0%)Load,			
	Range					1.0000000000000000000000000000000000000		70~80%)Load;160~		The state of the s			
Opera	ting Frequency					247.00.00							
	Range						50Hz : 45	-55Hz, 60Hz : 55-	-65Hz Auto Sens	sing			
Po	wer Factor			3	> 0.85@25	%Load;>0	.95 @50%	Load;>0.97@75%L	oad;>0.99 @ No	minal voltag	ge& 100%L	oad	
							OUTPL	JT					
Out	put Voltage						208	/220/230/240Vac:23	30Vac(Default)				
Po	wer Factor	0.9											
Volta	ge Regulation							±1%					
	Synchronized					2	15-55Hz +0	.02Hz@ 50Hz, 55-6	55Hz +0 02Hz@6	inHz			
	Range						0.00112 10	.02112@ 00112, 00-1	301 12 10.021 12@C	70112			
Frequency	Battery Mode & None												
	Synchronized							(50/60±0.02)	Hz				
	Range												
Cı	rest Factor							3:01					
Harm	onic Distortion							≤3% with linear					
	(THDv)							≤5% with non-line					
	lave form							Pure Sinewa	200				
Tra	ansfer time					U		tery : 0ms; Utility to	Bypass: 4ms(Ty	pical)			
							EFFICIE	NCY					
	AC Mode	- verson i		3%	F more		3%	The second of th	89%	1 NOVA 25	Total Salar	988	0%
	ttery Mode	84%	85%	84%	85%	8	5%	85%	86%	85%	86%	87	7%
E	CO Mode	U.					D.1775	94%					
De	H T	Latentin			os e		BATTE		40147411		200	200.00411	4014
-	attery Type	12V/9AH	12V/7AH	20	2V	12V/9AH		12V/9AH	12V/7AH		2V	12V/9AH	12V
5	Numbers num Charging	2	3	2*N	3*N	3	3*N	4	6	4*N	6*N	6	6*N
	current (A)	1:	1:	6.0/	12.0	1	6.0/12.0	<b>11</b> 0	1	6.0/	12.0	া	6.0/12.0
1	Charging					-	_						
	oltage(Vdc)	27.4±1%	41.1±1%	27.4±1%	41.1±1%	41.1	1±1%	54.8±1%	82.2±1%	54.8±1%	82.2±1%	82.2	±1%
	Protect			1			Over	-voltage(14.7v) /Lo	w-voltage(10v)				
							PROTEC	0.000					
Overload	Line Mode				10	5%-150%,	30s turn t	o bypass mode; >1	50% 300ms turn	to bypass	mode		
Capacity	Battery Mode				- 0	105%-150	%, exceed	30s shutdown; >1	150% exceed 300	ms shutdo	wn		
							INDICAT	ORS					
LED 8	& LCD Display					Lo	ad/Battery	/Input/Output/Opera	ating Mode Inform	nation			
							ALAR	M					
Ва	ttery Mode							Sounding every 4	seconds				
В	attery Low							Sounding every	second				
	Overload							Sounding every 0.	5 second				
	Fault							Continuously So	unding				
							MANAGE	MENT					
	t RS-232/USB			E	xternal Mo	dbus card	supported	by RS232,Software	supports Windo	ws Family,I	_inus,FreeE	BSD	
10000	referential)												
Inte	elligent Slot							rd or mini) independ	dent to RS-232(C	ptional)			
44000	237+20205931****	r .					ENVIRON	***********					
NAME OF STREET	ng Temperature							0 ~40	donaina)				
D INTERNAL	nidity Range							0~95% (Non-con	uensing)				
	Altitude							< 1500m,	eter				
N	oise Level						PHYSIC	<50dB@ 1Me	ster				
Dimensi	on MxDvH /mm\	i e		440-40	0×86.5		PHYSIC		440×000-00 =	440	72×86.5	440,400,00	440
	on W×D×H (mm) Weight (kg)	13.2	15.7	1,23,223	7.8	15.8	7.9	440×572×86.5 21.5	440×696×86.5 27.6	10.7	10.8	440×696×86.5 28.5	440×572×86.
INGL	***aiditt (v.d.)	10.2	10.7	7.7	7.0	10.0	STANDA	elector.	27.0	10.7	10.8	20.0	11.2
11	Safety	201					JIANDA	IEC/EN6204	0-1				
	EMC							IEC/EN6204	1800				
i.	LIMO	1						IEG/EN0204	V-Z				

### **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





	Hanne			Toward About							
0	MODEL spacity (VA)		UBR60L 6K / 5.4K	U6R100L 10K/9K							
, ,,,,	spacity (VA)	vvetta)	DR / D.4K	10K / 9K							
	Nominal Vo	ltage	220/230/240Va	c(L+N+PE)							
	perating Vo Range		120Vac-2	76Vac							
Op	erating Fre	10.0932.0	50Hz : 45~55Hz :	50Hz 54~66Hz							
	Range Power Fac		20.9								
	rowel ra	CLOR	Max voltage: 220V : +25%(O)								
Вур	Bypass Voltage Range		230V : +20%(Optional +10%,+15%)								
		ļ	240V : +15%(Op	tional +10%)							
u-			Min. voltage: -45% (Optional -20%, -30%)								
Н	ECO Ran armonic Dis	tortion	Same as I ≤5%(100% non								
6	(THDi)		OUTPUT								
8 3	Output Voll Power Far	tage	220/230/2								
V	oltage Reg		±1%								
Frequency	Li	ne Mode	±1%/±2%/±4%/±5%/±10% of the	ee rated frequency(Optional)							
	Crest Fac	at, Mode	(50/90±0 3.01								
Н	armonic Dis		≤2% with lin	PRINCIPAL MA							
7	(THDv		≤5% with non-	inear load							
Ē.	Wavefore	m.	Pure Sine	swave .							
	Transfer T	ime	Utility to Battery: Oms; U	Utility to Bypass: Oms							
	Efficienc		EFFICIENCY Up to 9	44%							
9	EIRGIGIA	7	BATTERY	MANA S							
	Battery Vol	tage	Optional Voltage: ±	96/108/120Vdc							
Тур	ical Rechar	ge Time	6-8 hours (To 90	1% capacity)							
(	Charging Cu	rrent	Maximum cur	rent 10A;							
8	- 4		PROTECTION								
Overl	oad	Line Mode	Loads125%: last 5min;s150%: last 1min	> 150% 200ms turn to bypass mode							
		Bypass Mode	40A(Input breaker)	60A(Input breaker)							
	Short Circ	ouit	Hold Whole	System							
	Overhea	at	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately								
Š.	Battery Lo	ow.	Alarm and S	witch off							
7		2000	INDICATORS								
	Audible & V alarms		Line Failure, Battlery Low, (	Overload, System Fault							
S	tatus LED 8		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Överload & UPS Fault								
Re	ading On T	he LCD	InputiOutput Voltage, InputiOutput Frequ	ency, Load Level, Battery Level, Inner							
	Display		Temperature & Remaining	Battery Backup Time							
	100		MANAGEMENT								
	Communica	50000	RS232,USB, Parallel Port, SNMPcar	d(Optional), Relay card (Optional)							
			ENVIRONMENT								
	Operatin Temperat	ture	0 ~4								
	rage Temp Humidity Ra		-25 ~ 0~95% (Non-	Management and the second seco							
	Altitude		< 1500	Dm .							
S .	Noise Le	vel	<55d PHYSICAL	B:							
	Dimension W×D×H (r		443×580×1	31 (3U)							
	Net Weight		19	20							
N	oise Suppri	ession	STANDARDS Compiles with	EN62040-2							
	Safety	Second Co.	IEC/EN62040-1,IE	K OWA WASHEST							
			IEC/EN82040-2,IEC81000-4-2,I								
	EMC		IEC81000-4-5,IEC8100	0.4-6,IEC81000-4-8							
	Model		BATTERY PACK EXBR±	20V							
j.	Battery typ Max.quar	%ec.	7Ah×20/9	\$2.000 C							
ğ	Dimensio	vis	443×720×1	MANUTANIA							
	W×D×H (n			pp receive							
	Net Weight	(kg)	65/7	5							

### 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





Capacity ()	10000 to 100	Section 15	UC100L	UC150L	UC200L				
oupdoity (	VA/Watts)	10K / 1	358	15K / 13.5K	20K / 18K				
The Rest Control of Control			INPUT						
Nominal		3	80/400/415Vac(3Ph+N+PE)	or 220/230/240Vac(L+N+PE)					
Opera Voltage	Range		208~478Vac or	120VAC-276Vac					
Opera Frequence	The state of the s	50Hz: 45~55Hz, 60Hz: 54~66Hz							
Power			≥0	.99					
Вур	ass	3	Max.voltage: 220V : +25%(	Optional +10%,+15%,+20%)					
			230V : +20%(0	Optional +10%,+15%)					
Voltage	Range		240V : +15%(0	Optional +10% )					
			147 EUR 14. 15 DUNA 1780 - 147 CARA	(Optional -20%,-30%)					
ECO F			Same a	E STANDER DE STENE VE					
Distortio	TO ANTO SAN		≤5%(100% no	n-linear load)					
Rated \	/oltage		OUTPUT 220/230	/240Vac					
Power				9					
Voltage R	egulation			%					
requency	Line Mode			%/±10% of the rated (Optional)					
equency	Bat. Mode			t0.1)Hz					
Crest I			3:						
Harm				linear load					
Distortio Wave			≤5% with no	n-linear load newave					
Transfe	Section 19		GEOGRAPHICA STREET SET	Utility to Bypass: 0ms					
- I I all sic	Time		EFFICIENCY	Other to Bypass, one					
Efficie	ency	Up to 9		Up to	94.5%				
		27 <b>V</b> 12.2 22	BATTERY						
Battery '			Selectable Voltage	e: ±96/108/120Vdc					
Typ Recharg			6-8 hours (To	90% capacity)					
Charging			Maximum	current 10A					
11.3.2.44660			PROTECTION						
	Line Mode		Load≤125%: last 5min;≤150	%: last 1min;>150% 200ms					
(2.3.6	Line wide	turn to bypass mode							
Overload			makes)	100A(Input breaker)	125A(Input breaker)				
Overload	Bypass Mode	63A(Input b	oreaker)	ACTION AND ARREST MANAGEMENT AND ACTION AND ACTION.					
20 - 20012000-		63A(Input b	1000 CO 100 CO						
Short (	Circuit	5-000-00-000-000-000-000-000-000-000-00	Hold Who	le System	ediately				
Short (	Dircuit	5-000-00-000-000-000-000-000-000-000-00	Hold Who de: Switch to Bypass; Backu	le System o Mode: Shut down UPS imme	ediately				
Short (	Dircuit	5-000-00-000-000-000-000-000-000-000-00	Hold Who de: Switch to Bypass; Backu	le System	ediately				
Short ( Over Batter	circuit heat y Low	P-000094-0776-0009-0-00	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS	le System o Mode: Shut down UPS imme	ediately				
Short ( Over Batter  Audit Visual /	Circuit heat y Low le & Alarms	Line Mo	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low	le System p Mode: Shut down UPS imme Switch off , Overload, System Fault					
Short of Over Batter  Audit Visual / Status	Circuit heat y Low Die & Alarms LED &	Line Mo	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M	le System p Mode: Shut down UPS imme Switch off , Overload, System Fault lode, Bypass Mode, Battery L					
Short ( Over Batter  Audit Visual / Status	circuit heat y Low le & Alarms LED &	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M Battery Bad, Ove	le System p Mode: Shut down UPS imme Switch off , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault	ow,				
Short of Over Batter  Audit Visual / Status	circuit heat y Low le & Alarms LED &	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M Battery Bad, Ove	le System p Mode: Shut down UPS imme Switch off , Overload, System Fault lode, Bypass Mode, Battery L	ow,				
Short ( Over Batter  Audit Visual / Status	circuit heat y Low le & Alarms LED & Display ters On	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem	le System p Mode: Shut down UPS imme Switch off , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault	ow,				
Short ( Over Batter Audit Visual / Status LCD D Parame	Circuit heat y Low le & Alarms LED & Display ters On	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remandance	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time	ow, y Level,				
Short ( Over Batter) Audit Visual / Status LCD D Parame The LCI	circuit heat y Low  ble & Alarms LED & Display ters On D Panel	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remandance	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery Lerload & UPS Fault requency, Load Level, Battery	ow, y Level,				
Short ( Over Batter Audit Visual / Status LCD D Parame	circuit heat y Low  ble & Alarms LED & Display ters On D Panel	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remandance	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time	ow, y Level,				
Short of Over Batter Audit Visual / Status LCD E Parame The LCI Commun	circuit heat y Low  ble & Alarms LED & Display ters On D Panel  nication face emperature	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remainance MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card	ow, y Level,				
Short of Over Batter  Audit Visual / Status  LCD E  Parame The LCI  Commun Inter  Operating To Storage Te	circuit heat y Low ble & Alarms LED & blisplay ters On D Panel  inication face emperature mperature	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem: MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery Letoad & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card	ow, y Level,				
Short ( Over Batter  Audit Visual / Status LCD E Parame The LCI  Commulative Inter Operating T Storage Te Humidity	circuit heat y Low le & Alarms LED & lisplay ters On D Panel  Dinication face emperature mperature Range	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem. MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 0~95% (Nor	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 1-condensing)	ow, y Level,				
Short ( Over Batter  Audit Visual / Status LCD E Parame The LCI  Communication Inter  Operating To	circuit heat y Low  lole & Alarms LED & Display ters On D Panel  inication face  emperature mperature Range ude	Line Mod	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remainment B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 0~95% (Nor <15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 -condensing) 00m	ow, y Level,				
Short ( Over Batter) Audit Visual / Status LCD D Parame The LCI  Communitation Inter Operating To Storage Te Humidity Altitt Noise	circuit heat y Low  ble & Alarms  LED & Display ters On D Panel  nication face  emperature mperature mperature r Range ude Level	Line Mod Line Input/Ou RS-232,USI	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remainment B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 0~95% (Nor <15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 -condensing) 00m	ow, y Level, d (Optional)				
Short ( Over Batter  Audit Visual / Status LCD E Parame The LCI  Commu Inter Operating T Storage Te Humidity Altit Noise	circuit heat y Low  ble & Alarms  LED & Display ters On D Panel  nication face  emperature mperature mperature c Range ude Level	Line Mod Line Input/Ou RS-232,USI	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem: MANAGEMENT B, Parallel card(Optional), SN ENVIRONMENT  0  -25 0~95% (Nor <15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 -condensing) 00m	ow, y Level, d (Optional)				
Short ( Over Batter  Audit Visual / Status  LCD E Parame  The LCI  Commu Inter  Operating Tr Storage Te Humidity Altit Noise	circuit heat y Low  ble & Alarms LED & Display ters On D Panel  nication face emperature mperature mperature Range ude Level  nsion f (mm)	Line Mod Line Input/Ot RS-232,US	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco M Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem: MANAGEMENT B, Parallel card(Optional), SN ENVIRONMENT  0  -25 0~95% (Nor <15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 1-condensing) 00m	ow, y Level, d (Optional)				
Short of Over Batter  Audit Visual / Status LCD E Parame The LCI  Community Inter Operating T Storage Te Humidity Altit Noise Dimet	circuit heat y Low  ble & Alarms LED & Display ters On D Panel  nication face emperature mperature mperature Range ude Level  nsion f (mm)	Line Mod  Line  Input/Ou  RS-232,USI  <55d  250×597×655	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem. MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 - 0~95% (Nor < 15 B PHYSICAL	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 1-condensing) 00m  <5	ow, y Level, d (Optional)				
Short ( Over Batter  Audit Visual / Status  LCD E  Parame The LCI  Commu Inter  Operating T  Storage Te Humidity Altit Noise  Dimet W×D×H Net Wei	circuit heat y Low  ble & Alarms  LED & bisplay ters On  D Panel  prication face emperature mperature mperature prication face  lemperature mperature mperature mperature prication face  complete the c	Line Mod  Line  Input/Ou  RS-232,USI  <55d  250×597×655	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Rem. MANAGEMENT B, Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 0~95% (Nor < 15 B PHYSICAL  35 STANDARDS Complies wit	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55  -condensing) 00m  <5  250×502×616  45  h EN62040-2	ow, y Level, d (Optional)				
Short of Over Batter, Audit Visual / Status LCD E Parame The LCI Community Inter Operating To Storage Te Humidity Altity Noise Dimen	circuit heat y Low  ble & Alarms  LED & bisplay ters On  D Panel  prication face emperature mperature mperature prication face  lemperature mperature mperature mperature prication face  complete the c	Line Mod  Line  Input/Ot  RS-232,US  4  555d  250×597×655  76	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remainance MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 = 0~95% (Nor < 15 = 15 = 15 = 15 = 15 = 15 = 15 = 15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery Letoad & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55 1-condensing) 00m  <5 1250×502×616  45 1 EN62040-2 IEC/EN60950-1	ow, y Level, d (Optional)				
Short of Over Batter Audit Visual / Status LCD E Parame The LCI Community Inter Storage Te Humidity Altith Noise Diment W×D×H Net Wei Noise Sup	circuit heat y Low  ble & Alarms LED & bisplay ters On D Panel  D	Line Mod  Line  Input/Ot  RS-232,US  4  555d  250×597×655  76	Hold Who de: Switch to Bypass; Backu Alarm and INDICATORS Line Failure, Battery Low Mode, Backup Mode, Eco N Battery Bad, Ove utput Voltage, Input/Output F Inner Temperature & Remainance MANAGEMENT B,Parallel card(Optional), SN ENVIRONMENT  0 ~ -25 = 0~95% (Nor < 15 = 15 = 15 = 15 = 15 = 15 = 15 = 15	le System  p Mode: Shut down UPS imme Switch off  , Overload, System Fault lode, Bypass Mode, Battery L rload & UPS Fault requency, Load Level, Battery aining Battery Backup Time  MP card(Optional), Relay card  40  55  -condensing) 00m  <5  250×502×616  45  h EN62040-2	ow, y Level, d (Optional)				

### **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							
Capacity (VA/V	Vatts)	6K / 5.4K	10K / 9K							
Nominal Volt	ane	INPUT 380/400/415Vac(3Ph+N+PE) o	or 220/230/240Vac(L+N+PF)							
Operating Vol		208~478Vac or 1:	De PORTON DE CARLOS DE PORTON DE PORTON DE RECUENCIA PER LA CONTRA DE LA CARLOS DEL CARLOS DE LA CARLOS DEL CARLOS DE LA CARLOS DE LA CARLOS DE LA CARLOS DEL CARLOS DE LA CAR							
Range Operating Freq	uency									
Range Power Fact	or	50Hz: 45~55Hz, 60Hz: 54~66Hz ≥0.99								
Bypass Volta	age	Max.voltage: 220V : +25%(O	Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)							
		230V : +20%(Op	ptional +10%,+15%)							
Range		240V: +15%(O	Elond Voltabe (W. 1979 St. 1981)							
ECO Rang	е	Same as	Optional -20%,-30%) bypass							
Harmonic Distortion (Th		≤5%(100% nor	n-linear load)							
		OUTPUT	20000							
Output Volta Power Fact		220/230/2								
Voltage Regul		±19								
T	Mode	±1%/±2%/±4%/±5%/±10% of ti								
cy Bat.I	Mode	(50/60±0	0.1)Hz							
Crest Factor		3:0								
Harmonic Distortion (T		≤2% with lir ≤5% with non-								
Waveform		Pure Sin								
Transfer Tir	2000	Utility to Battery : 0ms;	29/32 2 1 75 LB - 1 1 _ H 1 36/07 H 1 1							
Translet III		EFFICIENCY	Omy to Oppose one							
Efficiency		Up to	94%							
		BATTERY								
Battery Volta		Selectable Voltage:								
Typical Recharg Charging Cur		6-8 hours (To 9 Maximum ci								
Onlinging Out	OTT	PROTECTION	Section 1974							
,	Line									
Overload	Mode	Load≤125%: last 5min;≤150%: last 1min	n;>150% 200ms turn to bypass mode							
	Bypass	40A(Input breaker)	63A(Input breaker)							
Short Circu	Mode	Hold Whole								
Overheat		Line Mode: Switch to Bypass; Backup	Section Control Contro							
()(T())(T())(T)(T)			2000 100 100 100 100 100 100 100 100 100							
Battery Lo	W	Alarm and S INDICATORS	Switch off							
Audible &Visual	Alarms	Line Failure, Battery Low,	Overload, System Fault							
Status LED &LCD	Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode	e, Battery Low, Battery Bad, Overload & UPS Fault							
Parameters		Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time								
The LCD Pa	nel	MANAGEMENT								
Communication I	nterface	RS-232,USB,Parallel card, SNMP ca	ard(Ontional) Relay card (Ontional)							
Communication	errace		notophonally, richay card (optional)							
Operating Temp	erature	ENVIRONMENT  0 ~4	40							
Storage Tempe		-25 ~								
Humidity Rai	nge	0~95% (Non-								
Altitude Noise Leve	al	< 150 <556								
Noise Leve	wit.	PHYSICAL	MMC							
Dimension W×H×		443×131×								
Net Weight (	kg)	30 STANDARDS	31							
Noise Suppres	ssion	Complies with	EN62040-2							
Safety		IEC/EN62040-1,I								
EMC		IEC/EN62040-2,IEC61000-4-2,	IEC61000-4-3,IEC61000-4-4,							
LIVIO		IEC61000-4-5,IEC6100	00-4-6,IEC61000-4-8							
Re-d-f		BATTERY PACK	1201/							
Model Battery type	-&	EXBR±	7,900,000							
Max.quanti	ty	7Ah×20/9	9Ah×20							
Dimension	100	443×131×	720(3U)							
W×H×D (m Net Weight (		67	27 - 2							
	3/		an Company of the Com							

### **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		UD10 / UD10L	UD15 / UD15L	UD20 / UD20L	UD30 / UD30L	UD40L	UD60L	UD80L			
Cap	acity (VA/Wa	tts)	10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K	60K / 54K	80K / 72K			
100.00		20.0400		10-8020 Diseason	INPUT	E TAN DESCRIPTION						
No	ominal Voltag	е			380/4	00/415Vac(3Ph+N	N+PE)					
Operat	ting Voltage F	Range			208~478Vac@	half load; 305~47	8Vac@full load					
Operatin	g Frequency	Range			50Hz : 4	5~55Hz, 60Hz:	54~66Hz					
F	Power Factor	s				≥0.99		+15% +20% )				
				Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)								
			230V : +20%(Optional +10%,+15%)									
Bypas	ss Voltage Ra	ange			243341	: +15%(Optional +	380000	6)				
27	ECO Banga				Min. voltage: -	45% (Optional -10 Same as bypass	%, -20%,-30%)					
	ECO Range nic Distortion	(THDi)			<3%	(100% non-linear	load)					
Haimoi	iic Distortion	(TTIDI)			OUTPUT	(100 % Horr-linear	ioau)					
0	utput Voltage				5274 T. P. S.	00/415Vac(3Ph+N	N+PE)					
	Power Factor	1) 1)			100000000	0.9	on paretter .					
Volt	tage Regulati	on				±1%						
	ALTERNATION OF THE PROPERTY OF	Line Mode		±1	1%/±2%/±4%/±5%	±10% of the rated	frequency(Option	al)				
Frequ	ency	Bat. Mode				50/60(1±0.1%)Hz	22					
	Crest Factor		X			3:01						
Harmon	ic Distortion (	THOW			š	2% with linear loa	d					
Hamion	iic Distortion	TTIDV			≤59	% with non-linear le	oad					
	Waveform					Pure Sinewave						
Т	ransfer Time		Utility to Battery : 0ms; Utility to Bypass: 0ms									
	PRESENT TO STORY		EFFICIENCY									
	Efficiency				DATTED!/	95%						
				BATTERY								
Battery	Standa	ard unit	±120Vdc (20pcs 12V9AH) ±120Vdc (2x20pcs 12V9AH)			±120Vdc (3x20pcs 12V9AH)	N/A					
Voltage	Long r	un unit	Selec	table Voltage:±	96V/±108V/±120	Vdc	Selectable V	Voltage:±192V/±204V/±216V/				
Charging	Verious Contras	ard unit	1.35		.7	4.05	L	N/A				
Current (A)	Long r	un unit		Max.current 10A		Max.cur	rent 15A	Max.cur	rent 30A			
			PROTECTION  Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately									
7.7	Lina	Mada							diately			
Overland	1100000	Mode		-0.1000 Mark 1407 L 043 EVE 00000			Color Market War and the Color of the Color	i i	oly			
Overload	Bat.	Mode	Loa	ad≤110%: last 10r	min, ≤125%: last 1	min, ≤150%: last 5	5S, ≥150% shut do	wn UPS immediat	NAME OF THE PARTY			
Overload	Bat.	0.00 - 20.0		-0.1000 Mark 1407 L 043 EVE 00000			Color Market War and the Color of the Color	i i	125A(Input breaker)			
	Bat.	Mode	Loa 20A(Input	ad≤110%: last 10r 32A(Input breaker)	min, ≤125%: last 1 40A(Input breaker)	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster	5S, ≥150% shut do 80A(Input breaker)	wn UPS immediat 100A(Input breaker)	125A(Input			
4	Bat. Bypas: Short Circuit Overheat	Mode	Loa 20A(Input	ad≤110%: last 10r 32A(Input breaker)	min, ≤125%: last 1 40A(Input breaker) H e: Switch to Bypas	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: \$	5S, ≥150% shut do 80A(Input breaker) n Shut down UPS im	wn UPS immediat 100A(Input breaker)	125A(Input			
4	Bat. Bypass	Mode	Loa 20A(Input	ad≤110%: last 10r 32A(Input breaker) Line Mode	min, ≤125%: last 1  40A(Input breaker)  Fe: Switch to Bypas	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster	5S, ≥150% shut do 80A(Input breaker) n Shut down UPS im	wn UPS immediat 100A(Input breaker)	125A(Input			
4	Bat. Bypas: Short Circuit Overheat Battery Low	Mode s Mode	Loa 20A(Input	ad≤110%: last 10r 32A(Input breaker) Line Mode	min, ≤125%: last 1  40A(Input breaker)  Fe: Switch to Bypas  A  INDICATORS	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: S slarm and Switch c	SS, ≥150% shut do  80A(Input breaker)  n  Shut down UPS in	wn UPS immediat 100A(Input breaker)	125A(Input			
Audibl	Bat. I Bypasi Short Circuit Overheat Battery Low	Mode s Mode	Loa 20A(Input breaker)	ad≤110%: last 10r 32A(Input breaker) Line Mode	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  A  INDICATORS  Line Failure, Ba	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: Starm and Switch countered	SS, ≥150% shut do 80A(Input breaker) n Shut down UPS im off ad, System Fault	wn UPS immediat 100A(Input breaker)	125A(Input breaker)			
Audibl Status I	Bat. I Bypasi Short Circuit Overheat Battery Low Ie & Visual Al	Mode s Mode arms Display	Los 20A(Input breaker)	ad≤110%: last 10r 32A(Input breaker) Line Mode	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  A  INDICATORS  Line Failure, Bade, Eco Mode, Byg	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: Starm and Switch counter ttery Low, Overload	SS, ≥150% shut do 80A(Input breaker) m Shut down UPS im off ad, System Fault y Low, Battery Bac	100A(Input breaker)	125A(Input breaker)			
Audibl Status I	Bat. I Bypasi Short Circuit Overheat Battery Low	Mode s Mode arms Display	Los 20A(Input breaker)	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Modelotage, Input/Ou	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  A  INDICATORS  Line Failure, Ba	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: Starm and Switch counter ttery Low, Overload	SS, ≥150% shut do 80A(Input breaker) m Shut down UPS im off ad, System Fault y Low, Battery Bac	100A(Input breaker)	125A(Input breaker)			
Audibl Status I Paramete	Bat. I Bypasi Short Circuit Overheat Battery Low Ie & Visual Al	Mode s Mode arms Display CD Panel	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Modeltage, Input/Ou	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  A  INDICATORS  Line Failure, Ba de, Eco Mode, Byp  utput Frequency,	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Alarm and Switch c ttery Low, Overloa bass Mode, Batter Load Level, Batter	SS, ≥150% shut do 80A(Input breaker)  n Shut down UPS im  iff  ad, System Fault y Low, Battery Bac ry Level, Inner Te	100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete	Bat. I Bypass Short Circuit Overheat Battery Low le & Visual Al LED & LCD E	Mode s Mode arms Display CD Panel	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  A INDICATORS  Line Failure, Ba de, Eco Mode, Byp utput Frequency, MANAGEMENT	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Alarm and Switch c ttery Low, Overloa bass Mode, Batter Load Level, Batter	SS, ≥150% shut do 80A(Input breaker)  n Shut down UPS im  iff  ad, System Fault y Low, Battery Bac ry Level, Inner Te	100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete	Bat. I Bypass Short Circuit Overheat Battery Low le & Visual Al LED & LCD E	Mode s Mode arms Display CD Panel	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  A  INDICATORS  Line Failure, Ba de, Eco Mode, Byp  utput Frequency,  MANAGEMENT  card, SNMP card(C	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Alarm and Switch c ttery Low, Overloa bass Mode, Batter Load Level, Batter	SS, ≥150% shut do 80A(Input breaker)  n Shut down UPS im  iff  ad, System Fault y Low, Battery Bac ry Level, Inner Te	100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete Comm	Bat. I Bypas: Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC	Mode s Mode arms Display CD Panel erface	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  A  INDICATORS  Line Failure, Ba de, Eco Mode, Byp  utput Frequency,  MANAGEMENT  card, SNMP card(C	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: 5 Alarm and Switch co ttery Low, Overloa bass Mode, Batter Load Level, Batte Optional), Relay ca	SS, ≥150% shut do 80A(Input breaker)  n Shut down UPS im  iff  ad, System Fault y Low, Battery Bac ry Level, Inner Te	100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete Comm Opera	Bat. I Bypas: Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC unication Inte	Mode s Mode arms Display CD Panel erface ature	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  AINDICATORS  Line Failure, Ba de, Eco Mode, Byp utput Frequency, MANAGEMENT  card, SNMP card(C	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: \$ Alarm and Switch co ttery Low, Overloa bass Mode, Batter Load Level, Batter Deptional), Relay ca	SS, ≥150% shut do 80A(Input breaker) n Shut down UPS im off ad, System Fault y Low, Battery Bac ry Level, Inner Te rd (Optional),Batte	100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete Comm Opera	Bat. Bypass Short Circuit Overheat Battery Low le & Visual Al LED & LCD E rs On The LC unication Inter ating Tempera	Mode s Mode arms Display CD Panel erface ature	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M 85,USB,Parallel of	min, ≤125%: last 1  40A(Input breaker)  E: Switch to Bypas  AINDICATORS  Line Failure, Ba de, Eco Mode, Byp utput Frequency, MANAGEMENT  card, SNMP card(C	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Marm and Switch o ttery Low, Overloa bass Mode, Batter Load Level, Batter Dotional), Relay ca  0~40 -25~55 95% (Non-condens < 1500m	SS, ≥150% shut do 80A(Input breaker)  m Shut down UPS im off  ad, System Fault y Low, Battery Bac ry Level, Inner Te ard (Optional),Batter sing)	in UPS immediated at 100A(Input breaker) immediately immediately imperature & Rerest temperature see	125A(Input breaker)  Fault naining Battery			
Audibl Status I Paramete Comm Opera Stora	Bat. I Bypass Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC unication Inter ating Tempera umidity Range	Mode s Mode arms Display CD Panel erface ature	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byputput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Marm and Switch o ttery Low, Overloa bass Mode, Batter Load Level, Batter Dotional), Relay ca  0~40 -25~55 95% (Non-condens < 1500m	SS, ≥150% shut do 80A(Input breaker) n Shut down UPS im off ad, System Fault y Low, Battery Bac ry Level, Inner Te rd (Optional),Batte	in UPS immediated at 100A(Input breaker) immediately immediately imperature & Rerest temperature see	125A(Input breaker)  Fault  maining Battery			
Audibl Status I Paramete Comm Opera Stora	Bat. I Bypas: Short Circuit Overheat Battery Low Ide & Visual Al LED & LCD E Irs On The LC Instrumination Interesting Tempera Instrument Instrument Interesting Tempera Instrument Instrum	Mode s Mode  arms Display CD Panel erface ature ture	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker) Line Mode lode, Backup Mod oltage, Input/Ou M 85,USB,Parallel of	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  A  INDICATORS  Line Failure, Bade, Eco Mode, Byputput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  0~5  PHYSICAL	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Marm and Switch o ttery Low, Overloa bass Mode, Batter Load Level, Batter Dotional), Relay ca  0~40 -25~55 95% (Non-condens < 1500m	SS, ≥150% shut do 80A(Input breaker)  m Shut down UPS im off  ad, System Fault y Low, Battery Bac ry Level, Inner Te ard (Optional),Batter sing)	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer  ry temperature se	125A(Input breaker)  Fault naining Battery			
Audibl Status I Paramete Comm Opera Stora	Bat. I Bypas: Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC Interpretating Temperating Temperating Temperaturnidity Range Altitude Noise Level	Mode s Mode  arms Display CD Panel erface ature ture e (mm)	Los 20A(Input breaker)  Line M Input/Output V	ad≤110%: last 10r 32A(Input breaker)  Line Mode  lode, Backup Mor oltage, Input/Ou  85,USB,Parallel c	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  PHYSICAL  250×828×868	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: \$ slarm and Switch co ttery Low, Overloa bass Mode, Batter Load Level, Batter Deptional), Relay ca  0~40 -25~55 95% (Non-condens < 1500m	SS, ≥150% shut do 80A(Input breaker) m Shut down UPS im off ad, System Fault y Low, Battery Bac ry Level, Inner Te ard (Optional),Batter sing) BdB	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer  ry temperature se	125A(Input breaker)  Fault maining Battery ntor(optional)			
Audibl Status I Paramete Comm Opera Stora	Bat. I Bypas: Short Circuit Overheat Battery Low Ide & Visual Al LED & LCD E Irs On The LC Instrumination Interesting Tempera Instrument Instr	Mode s Mode  arms Display CD Panel erface ature ture e (mm)	Los 20A(Input breaker)  Line M	ad≤110%: last 10r 32A(Input breaker)  Line Mode  lode, Backup Mor oltage, Input/Ou  85,USB,Parallel c  E  <55dB	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  PHYSICAL  250×828×868  171/64	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Marm and Switch o ttery Low, Overloa bass Mode, Batter Load Level, Batter Dotional), Relay ca  0~40 -25~55 95% (Non-condens < 1500m	SS, ≥150% shut do 80A(Input breaker)  m Shut down UPS im off  ad, System Fault y Low, Battery Bac ry Level, Inner Te ard (Optional),Batter sing)	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer  ry temperature se	125A(Input breaker)  Fault naining Battery ntor(optional)			
Audibl Status I Paramete Comm Opera Stora Hu	Bat. I Bypass Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC unication Inte ating Tempera age Tempera umidity Rang Altitude Noise Level sion W×D×H et Weight (kg	arms bisplay D Panel erface ature ture e (mm)	Los 20A(Input breaker)  Line M Input/Output V	ad≤110%: last 10r 32A(Input breaker)  Line Mode  lode, Backup Mor oltage, Input/Ou  85,USB,Parallel c  E  <55dB	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  0~9  PHYSICAL  250×828×868  171/64  STANDARDS	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: \$ Alarm and Switch co ettery Low, Overloa bass Mode, Batter Load Level, Batter Doptional), Relay ca 0~40 -25~55 95% (Non-conden: <1500m <55	SS, ≥150% shut do 80A(Input breaker) n Shut down UPS in off ad, System Fault y Low, Battery Bac ry Level, Inner Te rd (Optional),Batte sing) 3dB	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer  ry temperature se	125A(Input breaker)  Fault maining Battery ntor(optional)			
Audibl Status I Paramete Comm Opera Stora Hu	Bat. Bypass Short Circuit Overheat Battery Low le & Visual Al LED & LCD D unication Inter ating Tempera age Tempera umidity Rang Altitude Noise Level sion W×D×H et Weight (kg	arms bisplay D Panel erface ature ture e (mm)	Los 20A(Input breaker)  Line M Input/Output V	ad≤110%: last 10r 32A(Input breaker)  Line Mode  lode, Backup Mor oltage, Input/Ou  85,USB,Parallel c  E  <55dB	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  PHYSICAL  250×828×868  171/64  STANDARDS  Con	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s Alarm and Switch of ttery Low, Overloa bass Mode, Batter Load Level, Batter Diptional), Relay ca 0~40 -25~55 95% (Non-condens < 1500m < 58 223/71	SS, ≥150% shut do 80A(Input breaker)  m Shut down UPS im off  ad, System Fault y Low, Battery Bac ry Level, Inner Te  rd (Optional),Batter  sing)  8dB  73	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rer  ry temperature se	125A(Input breaker)  Fault maining Battery ntor(optional)			
Audibl Status I Paramete Comm Opera Stora Hu	Bat. I Bypass Short Circuit Overheat Battery Low Ie & Visual Al LED & LCD E Irs On The LC unication Inte ating Tempera age Tempera umidity Rang Altitude Noise Level sion W×D×H et Weight (kg	arms bisplay D Panel erface ature ture e (mm)	Los 20A(Input breaker)  Line M Input/Output V	ad≤110%: last 10r 32A(Input breaker)  Line Mode  lode, Backup Mod oltage, Input/Ou  M 85,USB,Parallel c  E  <55dB	min, ≤125%: last 1  40A(Input breaker)  e: Switch to Bypas  AINDICATORS  Line Failure, Bade, Eco Mode, Byput Frequency, MANAGEMENT  card, SNMP card(CENVIRONMENT)  PHYSICAL  250×828×868  171/64  STANDARDS  Con	min, ≤150%: last 5 63A(Input breaker) Hold Whole Syster s; Backup Mode: s slarm and Switch o ttery Low, Overloa bass Mode, Batter Load Level, Batter Deptional), Relay ca  0~40 -25~55 95% (Non-condens <1500m <56 223/71  Implies with EN620- 162040-1,IEC/EN6	SS, ≥150% shut do 80A(Input breaker)  m Shut down UPS im off  ad, System Fault y Low, Battery Bac ry Level, Inner Te  rd (Optional), Batter  ship  3dB  73  40-2  60950-1	wn UPS immediate 100A(Input breaker)  mediately  d, Overload & UPS mperature & Rerest temperature see 463  360×82  118	125A(Input breaker)  Fault maining Battery ntor(optional)			

# **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	400 / 240	600/ 360	800 /480	1000/600	1200/ 720	1500 / 900	2000 / 1200	2400/ 1440	3000 / 1800			
(VA/Watts)	400 7 240	000/ 300	800 7480	1000/ 600	1200/ 720	1500 / 900	200071200	2400/ 1440	300071800			
0.0 pt 0.000 No.	T.			INPUT				2400/ 1440  12V/7Ah x 4  AC Mod Mode, L Battery L Voltage				
Nominal Input				110/12	0Vac or 220/230/2	240 Vac						
Voltage						20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -						
Operating				81-	-145Vac/162-290	Vac						
Voltage Range	#15/04/01P 00 10/09/27											
Operating	50/60 Hz (1±10%)											
FrequencyRange		OUTPUT										
Output Voltage	T											
range		Simulated Sinewave at nominal voltage ±10%										
(Batt. Mode)	Simulated Sinewave at nominal voltage ±10%											
Frequency Range												
(Batt. Mode)				50	Hz or 60 Hz ± 1	Hz						
Transfer Time				Typi	ical 2-6 ms, 10ms	max.						
, Professional Control of Control				BATTER								
Battery Type		721	COMMITTEE LONG	12/12/19	194000000000000000000000000000000000000	1411-121	DESCRIPTION AND S	Taracas				
& Number	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			
Typical Recharge					V = 000/	22000						
Time				6-8 N	ours (To 90% ca	pacity)						
				PROTECT	ION							
Full Protection				Overload	and overcharge	protection						
	T.			INDICATO	ORS							
									e, Battery			
			Mode, Load Level,									
Indicators			Battery Level, Input									
								Voltage, Overload,				
				ALARN	•			Fault, Ba	Ittery Low			
Battery Mode	1				nding every 10 sec	conde						
Battery Low				50%,00000	unding every seco							
Overload					nding every 0.5 se							
Battery					iding every ele ee							
Replacement				Sou	nding every 2 sec	onds						
Alarm					, , , , , , , , , , , , , , , , , , , ,							
Fault				Co	ontinuously sound	ing						
	l.			Managem	ient							
USB & RS-232			Supports Wind	ows® 2000/2003/	XP/Vista/2008, W	indows® 7, Linux,	Unix, and MAC					
port(Optional)												
	0			Environm	ient							
Operating					0-40°C							
Temperature					U- 40 C							
Humidity Range				0-9	5 % (Non-condens	sing)						
Noise Level				<40dl	b (1 meter from su	rface)						
Parket W			-	PHYSICA	AL	r	9					
Dimension,		101×298×142		149.3×3	338×162	158×3	80×198	144×43	2.5×207			
W x D x H (mm)		A 000045555555555555		21.00 (	1	155.3	wasterstill	43050-019	The same of the sa			
Net Weight (kg)	3.55	4.25	4.9	7.8	8	11.1	11.5	20	23			
200	T.			STANDAR	=							
Safety		050,000,000,000,000			162040-1;IEC/EN6							
EMC		IEC/EN	62040-2;IEC6100	0-4-2;IEC61000-4	-3;IEC61000-4-4;	IEC61000-4-5;IEC	061000-4-6;IEC61	000-4-8				

### شركت مهندسي تال ايران (تاليران) سهامي خاص

دفتر مرکزی: تهران ۱۵۱۷۹۴۴۸۴۹، بلوار آفریقا ، پایین تر از اتوبان حقانی، نبش خیابان ۲۵ ، پلاک ۶۲ ، طبقه ۴ ، واحد D4

کارخانه: شهریار ۳۱۶۴۳۴۳۵۹۳، صفادشت ، جنب مخابرات و شهرداری، انتهای خیابان تختی ، خیابان تالیران (صنایع غذای کامبیز) ، سمت چپ

تلفن: ۳۶۴ ۵۷ – ۰۲۱ نمابر: ۸۳ ۸۲ ۸۸ – ۰۲۱ پست الکترونیک: office@taliran.com

تاريخ ۱۴۰۳/۰۲/۰۱ - همه حقوق محفوظ است.

#### **TALIRAN Engineering PJS Co.**

Office: D4, 4th Fl., No.62, Corner of 25 Str., Afrigha Blvd., Below Haghani Hwy, Tehran 1517944849, Iran

**Factory:** Shahriyar., Safadasht., Next to municipality., Takhti Str., 3164343593 After Kambiz factory

Tel: +98 (21) 57 364 Fax: +98 (21) 88 64 82 53 E-mail: office@taliran.com

20 Apr., 2024 - All rights reserved.