

RA1~3KL Series

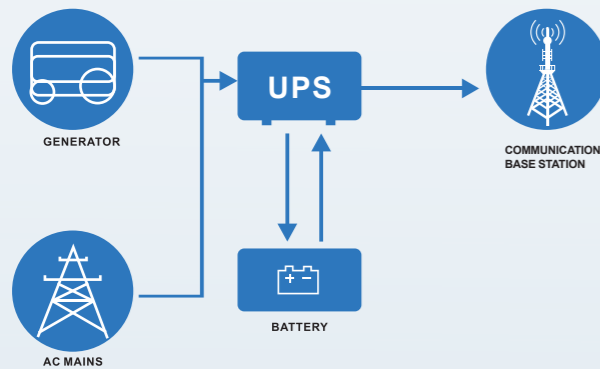


RA series High frequency outdoor UPS is used in suburban district, remote road or mountain, severe environment such as areas with high temperature(+50°C)/low temperature(-40°C), severe dust, moisture, rain, mist erosion, poor grid power quality(voltage durative higher than 260V or less than 160V, Frequency abnormal change)

Features:

- ◆ Provides a pure uninterrupted AC sine wave power supply for the outdoor communication / network equipment.
- ◆ The use of high temperature, anti cold, salt spray, anti-corrosion, anti dust, waterproof, lightning protection design.
- ◆ Advanced MCU microprocessor control Technology, ensure long life reliability.
- ◆ Excellent Protection against over voltage, overload, over current, overcharge and so on.
- ◆ Strong anti-jamming capability, Lightning, surge, short-circuit, network/fax/modem surge protection.
- ◆ Input L and N lines reverse wiring detection.
- ◆ DC start function, input PFC revises function.
- ◆ Humanized bypass output adjustable.
- ◆ Available to work with generators.
- ◆ RS232 intelligent communication monitoring.
- ◆ AS-400 Dry contact and SNMP card remote intelligent control.

Application:



Specifications

High Frequency Online Outdoor UPS

Model		RA1KL	RA2KL	RA3KL	
Capacity	VA/W	1000VA/800W	2000VA/1600W	3000VA/2400W	
Input	Nominal Voltage	110/115/120VAC or 200/220/230/240VAC			
	Voltage Range	60~138VAC or 115~300VAC			
	Frequency Range	50Hz :46~54Hz; 60Hz : 56~64Hz			
	Phase	Single phase with Ground			
	Power Factor	≥0.97			
Output	Voltage	110/115/120 (1±2%) VAC or 208/220/230/240 (1±2%) VAC			
	Frequency	50/60Hz (Adjustable); 50Hz AC Mode: Follow AC, Battery Mode: 50Hz (1±0.2%); 60Hz AC Mode: Follow AC, Battery Mode: 60Hz (1±0.2%);			
	Wave Form	Pure sine wave			
	Power Factor	0.8			
	Harmonic Distortion	≤3% THD (Linear load); ≤7% THD (Non-Linear load)			
	Overload Capacity	110%~150% maintain 30s then turn to bypass output; over 150% maintain 200ms			
	Current Crest Ratio	3:1			
	Connections	Terminal block			
	Efficiency	Battery Mode	83%		
		AC Mode	85%		
Battery	Type	Sealed free maintenance lead acid battery			
	Nominal DC voltage	36VDC	96VDC	96VDC	
	Standard Battery Cabinet	3*100AH	8*100AH	8*100AH	
	Back-up Time (Full Load)	Depends on the capacity of internal battery bank (24AH, 38AH, 65AH, 80AH, 100AH battery optional)			
	Recharge Time	Depends on the capacity of internal battery bank			
	Charge Current (MAX)	7.0A	8.0A	8.0 A	
	Charge Voltage (Vdc)	41.1V±0.4V	110V±0.6V	110V±0.6V	
Bypass	Automatic Transfer	On overload and UPS failure			
	Before UPS Power-on	"YES"			
Transfer Time		0ms; less than 4ms from inverter to bypass and vice versa			
Indicators	LED Display	UPS status, Battery capacity, loading, Fault code			
Audible Alarm		Bypass, battery mode, Battery low, Overload, Fault			
Communications	Intelligent RS232 serial port	Software support Windows family software, Linux, Sun network operating system, IBM Aix, Compaq True64 SGI IRIX, FreeBSD, HP-UX and MAC			
	SNMP (Optional)	Remote control UPS through SNMP management and Internet			
	USB (Optional)	Windows family software and Mac OS			
Environmental	Operating Temperature	0~50°C			
	Operating Humidity	0-95% (No condensation)			
Weight	Net Weight (No battery)	52kg	100kg	100kg	
	UPS Dimension	L*W*H (mm) (Movement)	482*380*88.4	482*448*88.4	482*448*88.4
	L*W*H (mm) (Cabinet)	638*507*775	612*525*1511	612*525*1511	

◆ Product specifications are subject to change without further notice.



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