

RA Series

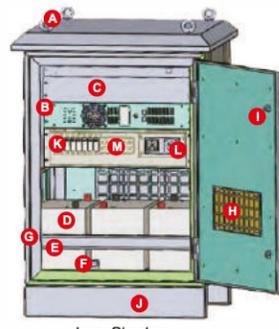
High Frequency Outdoor UPS



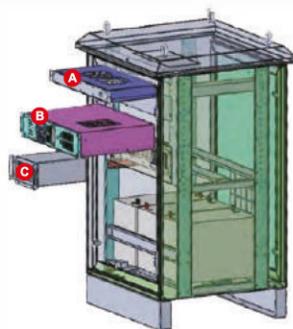
Front Panel

- A Rings
- B UPS module
- C Reserve 2U space
- D Battery compartment
- E Battery baffle
- F Access Switch
- G Waterproof seal ring
- H Filter
- I Dual heat insulation door
- J Installation beam
- K Lightning arrester
- L Hand-operated switch
- M Input/output air-break switch

- A Fan module
- B Main machine module
- C Charger module



Inner Structure



Application:

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).

Key Features:

Outstanding Features:

- ※ ZLPOWER outdoor Intelligent high frequency online UPS provide pure uninterruptible sine wave power for outdoor telecom and network equipments.
- ※ Double conversion online technology, Thermo stability, Resistance to cold, and sealed level is IP55; The widest input voltage range and input frequency window (-45%+35% nominal voltage and +10% nominal frequency), suitable for any districts with severe power condition.
- ※ It provides continuous clear and stable power in many remote severe areas in China.

Advantage Functions:

- ※ Super cold start function even at full load, DC start UPS when no grid power.
- ※ Intelligent automatic operation: When grid power recovery, UPS will inspect grid power voltage and frequency automatically; If grid power is normal, UPS will delivery it to supply load; If grid power is abnormal, UPS will charge batteries directly and provide clear power to load until grid power recovery normal.
- ※ Humanization Network management.

SPECIFICATIONS:



- ※ LED/LCD digital display shows Detailed Real-Time UPS Status and fault information, easy maintenance.
- ※ Smart RS232 communication with monitoring software.
- ※ Intelligent slot available for AS-400 Dry contact and SNMP card Remote control.
- ※ Advanced microprocessor control and digital control technology ensure whole UPS high reliability.
- ※ Zero transfer time, Input PFC>0.97, High efficiency>90%, ensure outdoor UPS to provide longer and green power.
- ※ Excellent antidusting and waterproof IP55 standard level, with sun block, heat insulation and ventilate top cover. Its air intake is waterproof and antidusting, and its front panel adopts waterproof window blinds design, back panel welding a waterproof slot, and on top of the slot there is dust gauze easy to knock down.
- ※ Strong cabinet and fixed base are guard against theft.
- ※ Input frequency range 45~55Hz, can work with all kinds of generators.

Model		RA1K	RA2K	RA3K	RA6K	RA10K
Capacity	Capacity	1KVA/700W	2KVA/1400W	3KVA/2100W	6KVA/4800W	10KVA/8000W
INPUT	Nominal voltage	220/230/240VAC				
	Nominal frequency	50/60Hz				
	Voltage Range	115~295VAC(± 3VAC)			120~275VAC(±3VAC)	
	Frequency Range	50Hz(46~54Hz),60Hz(56Hz~64Hz)				
	Power Factor	0.97				
OUTPUT	Voltage Precision	220/230/240X (1± 2%)VAC				
	Frequency Precision	50/60Hz±0.2Hz				
	Power Factor	0.7				
	Overload Capability	Overload (110% ~ 150%) for 30 seconds, then automatically transfer to bypass. When load is normal, it can automatically transfer to normal mode.				
	Crest Factor	3:1				
BATTERY	Transfer Time	0ms(AC to DC)				
	DC Voltage	36VDC	96VDC	96VDC	192VDC	192VDC
	Charge Current	4A/8A(optional)	4A/8A(optional)	4A/8A(optional)	4.5A	4.5A
	Internal Battery Capacity	(38/65/80/100AH/120AH)optional				
PANEL DISPLAY	LED/LCD Digital Display	Input and output voltage,frequency,battery voltage,battery capacity, load percentage				
COMMUNICATIONS	Communicate Interface	RS232, SNMP card(optional)				
ENVIRONMENT	Temperature	0~40° C				
	Humidity	0~95% Non-condensing				
	Storage Temperature	-25° C~55° C				
	Altitude	< 1500m				
	Acoustic Noise (within 1 meter)	< 50dB				
PHYSICAL	Weight(KG)	85	125	125	150	155
	Dimensions (LxWxH)mm	900*640*900	900*640*1185	900*640*1185	940*940*1770	940*940*1770

* Product specifications are subject to change without further notice.



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