

# R series

Single phase 1-3KVA

## Uninterruptible Power Supply

The R series is a true on-line, double-conversion UPS that comes in either a rack or tower configuration and is recommended for servers, VOIP, telecommunications and networking.

The R series is designed for long backup time applications with the addition of a customized battery source. The inbuilt high level charger shortens the recharging period and increases availability.



Series Comparison (1-3kVA)			
R series	1-3kVA	Rack or Tower	Long backup up to 24hrs.
GAIA series	1-3kVA	Rack or Tower	Battery inside to prevent blackout.
E series	1-3kVA	Tower	Long backup up to 24hrs.
N series	1-3kVA	Tower	Battery inside to prevent blackout.

### Availability

- Double-conversion technology. Provides 24/7 full-time protection.
- Automatic input frequency (50 or 60Hz) detection.
- AC-start and battery-start capabilities.
- Rail kit is included in the package.

### Flexibility

- Rack or tower configuration in 2U size cabinets.
- Suitable for long backup time applications with customized battery source.
- Additional charger installs inside the UPS to reduce recharging time.

### Lowest Total Cost Of Ownership

- High input power factor (pf > 0.99). Saves on installation costs.
- Wide input voltage range and stable power supply extends battery life.



Server



Network



Security



Medical



POS



Banking



Rack/Tower Configuration

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Single phase 1-3KVA

## Technical Specifications

Model		R-1K	R-2K	R-3K
Power Rating		1kVA / 700W	2kVA / 1400W	3kVA / 2100W
Input	Rating Voltage	V 220/230/240, single phase		
	Voltage Range	V 80~280 *		
	Frequency	Hz 50 or 60 ± 5Hz		
	Power Factor	≥0.99		
	Electrical Connection	Power cord (IEC320 C14)	Power cord (IEC320 C20)	
Output	Voltage	V 220/230/240, single phase		
	Voltage Regulation	% ± 2		
	Voltage Harmonic	% ≤ 3 (linear load)		
	Frequency	Hz 50 or 60 ± 0.05		
	Wave Form	Pure sine wave		
	Transient Response	% < 8 (10% ~ 90% linear load)		
	Overload	<105% : Continuous ; 105~125% : 3 minutes 125~150% : 30 seconds ; >150% : 1 second		
	Receptacle	IEC320 C13 x 4	IEC320 C13 x 8 IEC320 C19 x 1	
Battery	Rating Voltage	V 36	72	72
	Recharging Capability	3 Amp (adjustable, max. 4.5 Amp)	3.4 Amp (adjustable, max. 4 Amp)	3.4 Amp (adjustable, max. 4 Amp)
	Optional Extra Charger	5 Amp (internal installation)		
	Electrical Connection	Cable		
Display	LED	Online, Bypass, On-battery, Overload, Battery low, Fault, Replace battery, Battery level, Loading level		
Interface	Standard	RS232 x 1, SNMP slot x 1		
	Optional Accessories	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP+5 ports hub		
Conformance	Safety	CE, EN62040-1-1		
	EMC	CISPR 22 Class A		
Others	Battery-Start	Yes		
	Rail Kit	Included in package		
	Tower Stand Kit	Optional		
	Data Line Protector	Optional		
Overall	Efficiency (AC-AC)	% > 87 (full load)		
	Temperature	°C 0 ~ 40		
	Relative Humidity	% 5 ~ 95 (non-condensing)		
	Noise (at one meter)	dBA 46	47	55
	Dimensions (WxDxH)	mm 440 x 450 x 89		
	Weight	kg 6.7	9.2	

\* Lower range 80~176Vac is acceptable under 50~100% loading conditions.  
All specifications are subject to change without prior notice.



Friendly LED Display



1kVA Rear View



2 and 3kVA Rear View



Power Management Software



Delta offers full-scale UPS solutions from 0.6kVA to 4000kVA to fulfill all your power security needs.

