



Pure Sine Wave  
Line Interactive UPS

## RADIAN 500VA - 1.5KVA

Radian series of line interactive UPS provides pure sine wave AC output with better harmonic distortion than traditional line interactive UPS in step wave output. Radian series is available for 500VA, 800VA, 1000VA, 1500VA capacity. For data center with Rack mount demand, you can adapt the optional rack kit to install the Radian 1000VA & 1500VA in 19" rack. This series provides you satisfying reliable performance and maximize the flexibility for your system integration.

- Microprocessor control
- Equipped with Boost and Buck AVR to stabilize output voltage
- High frequency design with high DC-AC efficiency
- Pure Sine Wave output
- Built-in DC start function enables UPS to be started up without AC power supplied
- 2 in 1 design Tower & Rack 19" (for 1 & 1.5k)
- Green power function for energy saving
- Auto restart while AC recovery
- Provides Modem/Phone-Line surge protection
- Provides Discharge, Overcharge and Overload Protection
- Auto charge even though UPS is off
- Easy battery replacement design (Battery hotswap)
- Build-in dry contact/RS232/USB interface for software communication port



500/800VA



1000/1500VA

## RADIAN SERIES LINE INTERACTIVE SINEWAVE UPS SPECIFICATION

MODEL		RD500	RD750	RD1000	RD1500
<b>CAPACITY</b>	VA/W (PF)	500VA/300W (PF 0.6)	750VA/500W (PF 0.6)	1000VA/600W (PF 0.6)	1500VA/900W (PF 0.6)
<b>INPUT</b>	Voltage	220 VAC			
	Voltage Range	220VAC +/- 25%			
	Frequency Range	50 Hz +/- 10%			
<b>OUTPUT</b>	Voltage	220 VAC			
	Regulation (Normal Mode)	+/- 10%			
	Regulation (Battery Mode)	+/- 10%		+/- 5%	
	Voltage Waveform	Pure Sine Wave			
	Frequency (Battery Mode)	50 Hz +/- 0.1%			
<b>OVERLOAD CAPACITY</b>	Normale Mode	110% +/- 8%, fault after 8 minutes; 130%+/-8%, fault after 10 cycles minimum			
	Boost/Buck Mode	70% +8%/ - 4%, overload alarming after 25 minutes, fault after 30 minutes			
	Battery Mode	110% +/- 8%, fault after 30 seconds; 120%+/-8%, fault after 5 cycles minimum			
<b>TRANSFER TIME</b>	Typical	2 ms			
<b>EFFICIENCY</b>	Normal Mode	> 95% (Rated full load, battery full charged)			
	Boost/Buck Mode	> 90% (Rated full load, battery full charged)			
	Battery Mode	> 80% (Rated full load, battery full charged)			
<b>BATTERY &amp; CHARGER</b>	Configuration	12V7Ah x 1 Pcs	12V9Ah x 1 Pcs	12V7Ah x 2 Pcs	12V9Ah x 2 Pcs
	Type	Sealed Lead Acid Maintenance-free			
	Recharge Time	< 6 hours to 90%	< 8 hours to 90%	< 6 hours to 90%	< 8 hours to 90%
<b>BACKUP TIME</b>	50% load Backup Time	12'00"	8'00"	11'00"	10'00"
	1 PC Backup Time (Typical)	20'00"	26'00"	35'00"	40'00"
<b>INDICATOR</b>	LED Display	UPS Status / Load Level / Battery Level / Fault			
<b>AUDIBLE ALARM</b>	- Backup mode	Sounding every 10 seconds			
	- Battery low	Sounding every 1 seconds			
	- Overload	Sounding every 0.5 seconds			
	- Over charge	Sounding every 1.5 seconds			
	- Over temperature	Sounding every 2.5 seconds			
	- Battery replacement	Sounding every 3 seconds			
	- Charger fail	Sounding every 5 seconds			
	- Fault	Continuous sounding			
<b>DIMENSIONS</b>	L x W x H	323x96x234.6 mm		390x86x328 mm	
<b>WEIGHT</b>	Weight	5.6 kg	6 kg	9.8 kg	10.2 kg
<b>ENVIRONMENT</b>	Operation Temperature	0°C to + 40°C			
	Raletive Humidity	0 to 90% Relative Humidity (Non-condensing)			
	Audible Noise @1 meter	< 40 dBA		< 45 dBA	
<b>CERTIFICATES</b>	CE	Safety Conformance: EN62040-1-1			
		EMC: EN62040-2 C2, EN62040-2, EN61000-3-2			

\* Product specifications are subject to change without further notice



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