



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		RD-500	RD7-50	RD-1000	RD-1500
CAPACITY	VA/W (PF)	500VA/300W (PF 0.6)	750VA/500W (PF 0.66)	1000VA/600W (PF 0.6)	1500VA/900W (PF 0.6)
INPUT	Voltage	220 VAC			
	Voltage Range	220VAC +/- 25%			
	Frequency Range	50 Hz +/- 10%			
OUTPUT	Voltage	220 VAC			
	Regulation (Normal Mode)	+/- 10%			
	Regulation (Battery Mode)	+/- 10%		+/- 5%	
	Voltage Waveform	Pure Sine Wave			
	Frequency (Battery Mode)	50 Hz +/- 0.1%			
OVERLOAD CAPACITY	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			
TRANSFER TIME	Typical	2 ms			
EFFICIENCY	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)			
BATTERY & CHARGER	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%
BACKUP TIME	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"
INDICATOR	LED Display	UPS Status / Load Level / Battery Level / Fault			
AUDIBLE ALARM	- 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			
DIMENSIONS	L x W x H	323x96x234.6 mm		390x86x328 mm	
WEIGHT	Weight	5.6 kg	6 kg	9.8 kg	10.2 kg
ENVIRONMENT	Operation Temperature	0°C to + 40°C			
	Raletive Humidity	0 to 90% Relative Humidity (Non-condensing)			
	Audible Noise @1 meter	< 40 dBA		< 45 dBA	
CERTIFICATES	CE	Safety Conformance: EN62040-1-1			
		EMC: EN62040-2 C2, EN62040-2, EN61000-3-2			

* Product specifications are subject to change without further notice



มอก. 1291 เล่ม1 - 2553
มอก. 1291 เล่ม2 - 2553
มอก. 1291 เล่ม3 - 2555



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