

## LR1E SERIES PF0.9 Power range: 1kVA~3kVA



The LR1E Line-interactive Sinewave VRLA convertible series, with output power factor 0.9 & Up to 92% high efficiency, hot-swappable battery, quiet operation with less than 45dB, complies highest EMC IEC62040-2 C1 standard and is a perfect solution to be installed in a quiet office or home environment.

### Features:

- Rack/Tower Convertible Series
- Pure Sinewave output
- Output Power Factor 0.9
- Wide Input Voltage range 147~290Vac
- Hot-Swappable battery design
- Advanced 3.5" touch screen TFT LCD panel display also available
- Programmable receptacles(Optional)
- Comply with IEC62040-2 C1 standard
- Up to 98.5% in Mains mode
- Noise level <45dB
- Emergency Power Off
- Cold Start Function

# LR Line-interactive Sinewave VRLA Convertible Series

LR1E RT 1K | LR1E RT 1.5K | LR1E RT 2K | LR1E RT 3K

## LR1E Technical Specifications:

Model	LR1E			
	LR1E RT 1K	LR1E RT 1.5K	LR1E RT 2K	LR1E RT 3K
Capacity	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W
<b>INPUT</b>				
Nominal voltage	200/208/220/230/240Vac			
Input voltage range	147~290Vac			
<b>FREQUENCY</b>				
Frequency range	50/60Hz(Auto-Sensing)			
<b>OUTPUT</b>				
Output voltage	200/208/220/230/240Vac			
Voltage regulation	±1%			
Power factor	0.9			
Output frequency	50/60Hz			
Crest factor	3:1			
Harmonic distortion (THDv)	≤2% Linear load ≤5% Non linear load			
Transfer time	4-6ms(10ms max)			
Output waveform	Sinewave			
<b>EFFICIENCY</b>				
AC mode	98.5%	98.5%	98.5%	98.5%
Battery mode	89.5%	91.0%	92.0%	92.0%
<b>BATTERY</b>				
Battery type	Lead acid			
Battery time(Full load)	3.5min	4min	4min	3.5min
Battery voltage	24Vdc	48Vdc	72Vdc	72Vdc
Battery capacity	7Ah			
Charging current (Max.)	2A/4A			
External battery support	Yes (Up to four battery boxes(optional))			
<b>INDICATORS</b>				
LED/LCD display	Line mode, Bat.mode, Battery low voltage, Overload & UPS fault			
<b>ALARM</b>				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
<b>PHYSICAL</b>				
Dimension W×D×H	440×460×86.5mm	440×500×86.5mm	440×600×86.5mm	440×640×86.5mm
Net weight	15.3kg	20.8kg	31.4kg	33.7kg
<b>ENVIRONMENT</b>				
Operating temperature	0°C~40°C			
Storage temperature	-15°C~50°C			
Humidity range	0~90%RH @ 0~40°C (Non condensing)			
Altitude	Up to 3000m (No derating)			
Noise level	≤45dB@1M front side		≤45dB@Line mode 1M front side; ≤50dB@Battery mode 1M front side	
<b>STANDARDS</b>				
Safety	IEC/EN 62040-1, IEC/EN 62477-1			
EMC	IEC/EN 62040-2 (IEC61000-4-2, IEC61000-4-3, IEC 6100-4-4, IEC61000-4-5, IEC 61000-4-6, IEC61000-4-8, IEC 61000-4-11, IEC61000-2-2)			

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design
3. When output voltage is 208Vac, need to derate to 80% of the unit capacity



ATENCO POWER TECH CO. LTD

2F.-7 No.14, Xiwei St., Sanchung Dist., New Taipei City 24155, Taiwan

TEL +886-2-2280-6939 FAX +886-2-2280-2939 info@atenco.com.tw www.atenco.com.tw