

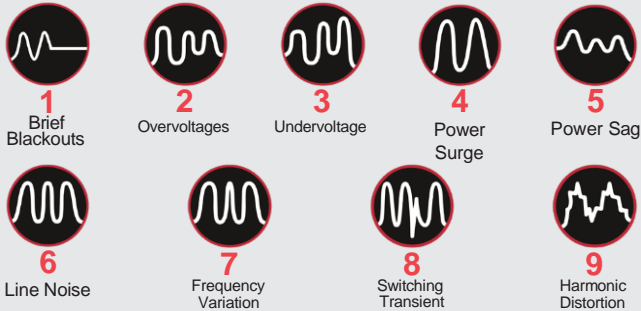
# Ultima RT Series

Online Rack Mount UPS, 1kVA-3kVA

## Highlights

- True double-conversion pure sine wave output
- Wide input voltage range (60-145Vac LV; 120-300Vac HV)
- 50/60Hz Frequency Converter Mode
- ECO Mode
- Input power factor correction
- 6A charging current ('L' model)
- Intelligent slot for optional network card
- Optional external battery bank

## Protection From



## Typical Applications

- Server rooms
- Office equipment
- Lab equipment
- Networking devices
- Surveillance systems
- VoIP / PBX systems
- Security systems
- Telecom equipment

## OVERVIEW

Model	ULT-W1KRTGME	ULT-W2KRTGME	ULT-W3KRTGME	ULT-W1KLRTGME	ULT-W2KLRTGME	ULT-W3KLRTGME
Capacity	1000VA / 900W	2000VA / 1800W	3000VA / 2700W	1000VA / 900W	2000VA / 1800W	3000VA / 2700W

## INPUT

Nominal Voltage	LV: 110 / 115 / 120 / 127Vac or HV: 208 / 220 / 230 / 240Vac	HV: 208 / 220 / 230 / 240 / 240Vac				
Voltage Range	LV: 90 - 145Vac at full load; 60 - 145Vac at half load HV: 180 - 300Vac at full load; 120 - 300Vac at half load	HV: 180 - 300Vac at full load; 120 - 300Vac at half load				
Frequency Tolerance	40 - 70Hz					
Power Factor	>0.99 at full load					
Harmonic Distortion (THDi)	<5% at full load					

## OUTPUT

Nominal Voltage	LV: 110 / 115 / 120 / 127Vac or HV: 208 / 220 / 230 / 240Vac	HV: 208 / 220 / 230 / 240Vac				
Voltage Range (On Battery)	±1%					
Frequency Regulation (On Battery)	50/60Hz ± 0.5%					
Current Crest Factor	3:1 (max.)					
Voltage Distortion	3% at linear load; 6% at non-linear load					

## EFFICIENCY

AC-AC	≥88%	≥89%	≥90%	≥88%	≥89%	≥90%
Battery Mode	≥83%	≥87%	≥88%	≥83%	≥87%	≥88%
ECO Mode	≥96% at full charged battery					

## TRANSFER TIME

Line Mode <--> Battery Mode	Zero					
ECO Mode <--> Battery Mode	<10ms					
Inverter <--> Bypass	4ms (typical)					

## BATTERY

Quantity & Size	2 x 12V / 9Ah	4 x 12V / 9Ah	6 x 12V / 9Ah	Varies by external battery capacity	Varies by external battery capacity	Varies by external battery capacity
Float Charging Voltage	27.4V ± 1%	54.8V ± 1%	82.2V ± 1%	27.4V or 41.1V	54.8V or 82.2V	82.2V or 109.6V
Rated Battery Voltage	24V	48V	72V	24V or 36V	48V or 72V	72V or 96V
Charging Current	1A	1A	1A	6A	6A	6A
Recharge Time	4 hours recover to 90% capacity for standard models; varies for extended runtime models ('L' models)					

## PHYSICAL

Dimensions (DWH)(mm/in)	310 x 438 x 88 / 12.2 x 17.2 x 3.5	410 x 438 x 88 / 16.1 x 17.2 x 3.5	630 x 438 x 88 / 24.8 x 17.2 x 3.5	310 x 438 x 88 / 12.2 x 17.2 x 3.5	410 x 438 x 88 / 16.1 x 17.2 x 3.5	460 x 438 x 88 / 18.1 x 17.2 x 3.5
Weight (kg/lb)	12.0 / 26.5	19.0 / 41.9	29.3 / 64.6	9.0 / 19.8	12.0 / 26.5	14.2 / 31.3