

Ultima RT Series

OPTIONAL



MBS-123RM



ULT-1 / 2 / 3K(L)RT



FEATURES

- True double-conversion online UPS
- 0.9 output power factor
- ECO and advanced ECO mode for energy saving
- Easy-shift LCD display for rack / tower models
- Programmable power management outlets
- Microprocessor control optimizes reliability
- Emergency Power Off (EPO) function
- 50 / 60Hz frequency converter mode
- External PDU / maintenance bypass switch (optional)
- Pure sine wave output
- Extended runtime feature ("L" model)



APPLICATIONS

- Server Rooms
- Office Equipment
- Telecom & Networking
- Surveillance System



ULTIMA RT ON-LINE UPS SPECIFICATION

MODEL	ULT-1KRT	ULT-1KLRT	ULT-1.5KRT	ULT-1.5KLRT	ULT-2KRT	ULT-2KLRT	ULT-3KRT	ULT-3KLRT
Capacity	1000VA / 900W	900VA / 810W	1500VA / 1350W	1250VA / 1125W	2000VA / 1800W	1700VA / 1530W	3000VA / 2700W	2500VA / 2250W
INPUT								
Nominal Voltage	100 / 110 / 115 / 120VAC							
Voltage Range	55-150VAC ±5%							
Frequency Range	40Hz~70Hz							
Power Factor	≧ 0.99 @ nominal voltage (100% load)							
OUTPUT								
Output Voltage	100 / 110 / 115 / 120VAC							
Current Crest Ratio	5:1 (max.)							
Harmonic Distortion	≧ 2% THD (linear load)							
Transfer Time	Line Mode <-> Battery Mode	Zero						
	Inverter to Bypass	4ms (typical)						
EFFICIENCY								
AC Mode	87%	88%	88%	88%	89%			
Battery Mode	85%	86%	86%	86%	87%			
ECO Mode	94%	95%	95%	95%	97%			
BATTERY								
Battery Type	12V / 9Ah	Depending on The capacity of external batteries	12V / 9Ah	Depending on The capacity of external batteries	12V / 9Ah	Depending on The capacity of external batteries	12V / Ah	Depending on The capacity of external batteries
Battery Numbers	2		3		4		6	
Typical Recharge Time	4 Hours recover to 90% capacity		4 Hours recover to 90% capacity		4 Hours recover to 90% capacity		4 Hours recover to 90% capacity	
Charging Current (max.)	1.0 A	1A / 2A / 4A / 8A	1.0A	1A / 2A / 4A / 8A	1.0A	1A / 2A / 4A / 8A	1.0 A	1A / 2A / 4A / 8A
Charging Voltage	27.4VDC ±1%		41.1VDC ±1%		54.7VDC ±1%		82.1VDC ±1%	
INDICATOR								
LCD Panel	Load level, battery level, AC mode, battery mode, bypass mode, and fault indicator							
INTERFACE								
Smart RS-232 / USB	Supports windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10 / Linux / Unix / MAC							
Optional SNMP	Power management from SNMP manager and web browser							
PHYSICAL								
Dimension (2U) (D x W x H) (mm / in)	410 x 438 x 88 / 16.1 x 17.2 x 3.5			510 x 438 x 88 / 20.1 x 17.2 x 3.5			630 x 438 x 88 / 24.8 x 17.2 x 3.5	
Net Weight (kg / lb)	12.9 / 28.4	8.6 / 19.0	17.6 / 38.8	10.7 / 23.6	20.6 / 45.4	11.3 / 24.9	28 / 61.7	13.8 / 30.4

Product specifications are subject to change without further notice.

Ultima RT Series



ULT-6 / 10KLRT



ULT-6 / 10KRT

FEATURES

- True double-conversion online UPS
- DSP control optimizes reliability
- 0.9 output power factor
- ECO and advanced ECO mode for energy saving
- Easy-shift LCD display for rack / tower models
- Emergency Power Off (EPO) function
- 50 / 60Hz frequency converter mode
- External PDU / maintenance bypass switch (optional)
- N+X parallel redundancy up to 3 units (optional)
- Pure sine wave output
- Extended runtime feature ("L" model)



ULTIMA RT ON-LINE UPS SPECIFICATION

MODEL		ULT-6K(L)RT	ULT-6K(L)RTD	ULT-10K(L)RT	ULT-10K(L)RTD
Capacity		6000VA / 5400W		10000VA / 9000W	
INPUT					
Nominal Voltage		200 / 208 / 220 / 230 / 240VAC			
Voltage Range		176-300VAC at 100% load; 110-175VAC de-rating up to 50% load			
Frequency Range		46Hz~54Hz or 56Hz~64Hz			
Power Factor		≧ 0.99 @ Nominal voltage (100% load)			
OUTPUT					
Output Voltage		200 / 208 / 220 / 230 / 240VAC	(104 / 110 / 115 / 120VAC) x 2	200 / 208 / 220 / 230 / 240VAC	(104 / 110 / 115 / 120VAC) x 2
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≧ 2% THD (linear load), ≧ 4% THD (non-linear load)	≧ 3.5% THD (linear load), ≧ 7% THD (non-linear load)	≧ 2% THD (linear load), ≧ 4% THD (non-linear load)	≧ 3.5% THD (linear load), ≧ 7% THD (non-linear load)
Transfer Time	Line mode <-> Battery mode	Zero			
	Inverter <-> Bypass	Zero			
EFFICIENCY					
Line Mode		91%	85%	91%	85%
Battery Mode		88%	82%	88%	82%
ECO Mode		96%	87%	96%	87%
BATTERY					
Standard Model	Battery Type	12V / 7Ah		12V / 9Ah	
	Numbers	20 (18-20PCS Programmable)		20 (18-20PCS Programmable)	
	Typical Recharge Time	7 Hours recover to 90% capacity		9 Hours recover to 90% capacity	
	Charging Current (max.)	1.0A			
Long Run (L) Model	Battery Type And Numbers	Depending on applications			
	Charging Current (max.)	4.0A			
	Float Charging Voltage	273VDC (based on battery numbers at 20 pcs)			
INDICATOR					
LCD Panel		UPS status, load level, battery level, input / output voltage, discharge timer, and fault conditions			
INTERFACE					
Smart RS-232 / USB		Supports windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10 / Linux / Unix / MAC			
Optional SNMP		Power management from SNMP manager and web browser			
PHYSICAL					
Dimension (3U) (D x W x H) (mm / in)		UPS Unit / Battery Bank : 580 x 438 x 133 / 22.8 x 17.2 x 5.2	UPS Unit / Battery Bank / ISO Bank: 580 x 438 x 133 / 22.8 x 17.2 x 5.2	UPS Unit: 668 x 438 x 133 / 26.3 x 17.2 x 5.2, Battery Bank: 580 x 438 x 133 / 22.8 x 17.2 x 5.2	UPS Unit / ISO Bank: 668 x 438 x 133 / 26.3 x 17.2 x 5.2, Battery Bank: 580 x 438 x 133 / 22.8 x 17.2 x 5.2
Net Weight (kg / lb)		UPS Unit: 20 / 44.1 Battery bank: 57 / 125.7	UPS Unit: 20 / 44.1 Battery Bank: 57 / 125.7 ISO Bank: 67 / 147.7	UPS Unit: 23.5 / 51.8 Battery Bank: 63 / 138.9	UPS Unit: 23.5 / 51.8 Battery Bank: 63 / 138.9 ISO Bank: 90 / 198.5

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