



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		1500VA/1350W		2000VA/1800W		3000VA/2700W	
INPUT								
Nominal Voltage	200/208/220/230/240VAC							
Voltage Range	55-150VAC ±5% or 110-300VAC ±5%							
Frequency Range	40Hz~70Hz							
Power Factor	≧ 0.99 @ nominal voltage (100% load)							
OUTPUT								
Output Voltage	200/208/220/230/240VAC							
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%		89%	
Battery Mode	85%		86%		86%		87%	
ECO Mode	94%		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							
MANAGEMENT								
Smart RS-232/USB	Supports windows 2000/2003/XP/Vista/2008/7/8/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 FEATURES

- True double-conversion online UPS
- 0.9 Output power factor
- DSP control technology (6K~10KVA models)
- ECO and advanced ECO mode for energy saving
- Pure sine wave output
- Easy-shift LCD display for rack/tower models
- Programmable power management outlets (1K~3KVA models)
- 50/60Hz frequency converter mode
- Emergency Power Off (EPO) function

- N+X parallel redundancy up to 3 units for 6KVA & 10KVA models (Optional)
- External PDU/maintenance bypass switch (Optional)
- Extendable runtime feature ("L" model)

EXTERNAL MAINTENANCE BYPASS SWITCH



MBS-610RM



MBS-123RM

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	Nominal Voltage	240VDC		
	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		
	Float Charging Voltage	273VDC (based on battery numbers at 20 pcs)		
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			
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8/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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