



Ultima UPS Series 1KVA/2KVA/3KVA

The Maruson Ultima Online UPS Series offers the highest level of power protection. The intelligent, true double-conversion technology, along with smart battery charger, power management, and available extended runtime options are designed for networks, servers, datacenters, ATMs, and medical equipment. This Ultima UPS is the best cost effective solution for all your connected equipment needs.

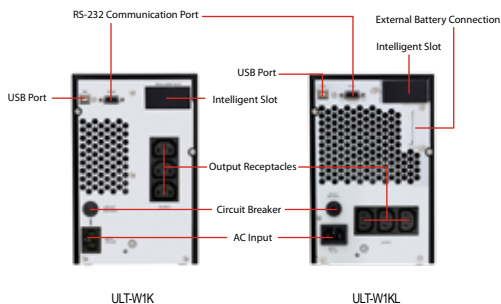
Applications: Best Protection for Server Rooms, Telecom & Networking Applications, Surveillance & Security Systems, and Medical Applications.

Features:

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110V – 300V)
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Charger capacity expansion to 6A for long-run models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status



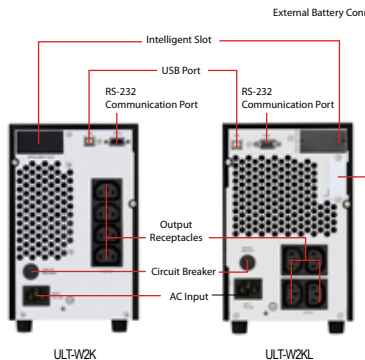
ULTIMA 1K(L) Rear Panel



ULT-W1K

ULT-W1KL

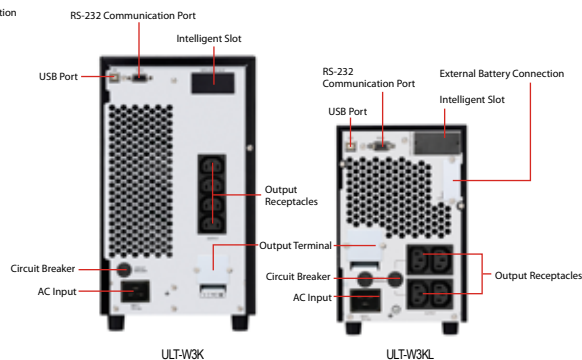
ULTIMA 2K(L) Rear Panel



ULT-W2K

ULT-W2KL

ULTIMA 3K(L) Rear Panel



ULT-W3K

ULT-W3KL



ULTIMA SPECIFICATION

MODEL		ULT-W1K (L)		ULT-W2K (L)		ULT-W3K (L)	
PHASE		Single phase with ground					
CAPACITY		1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W	
INPUT							
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC					
Voltage Range		55-145 VAC or 110-300 VAC					
Frequency Range		40 Hz ~ 70 Hz					
Power Factor		≥ 0.99 @ Nominall Voltage (100% load)					
OUTPUT							
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC					
Voltage Regulation		± 1 %					
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz					
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.1 Hz					
Current Crest Ratio		3:1					
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)					
Transfer Time	AC to DC	Zero					
	Inverter to Bypass	4 ms (Typical)					
Waveform (Batt. Mode)		Pure Sinewave					
EFFICIENCY							
To AC Mode		88%		89%		90%	
To Battery Mode		83%		87%		88%	
BATTERY							
Standard Model	Battery Type	12 V / 9 AH		12 V / 9 AH		12 V / 9 AH	
	Numbers	2		4		6	
	Typical Recharge Time	4 hours recover to 90% capacity					
	Charging Current (max.)	1.0 A					
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%	
Long-run Model * <small>(Only for ULT-W2K/230VAC/4.0A/6.0A)</small>	Battery Type	Depending on the capacity of external batteries					
	Numbers	2	3	4	6	6	8
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A					
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%
INDICATORS							
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators					
ALARM							
Battery Mode		Sounding every 4 seconds					
Low Battery		Sounding every second					
Overload		Sounding twice every second					
Fault		Continuously sounding					
PHYSICAL							
Standard Model	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220		421 x 190 x 318	
	Net Weight (kgs)	9.8		17		27.6	
Long-run Model *	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220			
	Net Weight (kgs)	4.1		6.8		7.4	
ENVIRONMENT							
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)					
Noise Level		Less than 50dBA @ 1 Meter					
MANAGEMENT							
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

*Long-run model is only available in 200/208/220/230/240VAC systems.

**Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC.

Product specifications are subject to change without further notice.



Distributed by

MARUSON[®]
TECHNOLOGY
 Power Solutions for All Your Needs

Maruson Technology Corporation

18557 E.Gale Ave. City of Industry, CA 91748 U.S.A
 Tel: 1-626-912-8388, Fax: 1-626-912-8680
 Toll Free: 1-888-MARUSON
 E-mail: Custsrv@MarusonUSA.com
 Web: www.MarusonUSA.com

