

# UNOMAT<sup>®</sup>

INTERNATIONAL



## Line Interactive UPS

–Data Center Product Line –

## UM Series 650~3500VA ▶▶



### General introduction

This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with two boost and one buck AVR to stabilize wide input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supply. Although it's a small UPS, The main features of UPS are listed below:

### Features

- Line Interactive UPS with simulated sinewave output
- Excellent microprocessor control guarantees high reliability (Internal self-diagnostic technology)
- Boost and buck AVR for voltage stabilization (Wide input range with two boost and one buck control)
- Auto restart while AC is recovering
- Cold start function

- Off-mode charging
- Fast intelligent battery recharge function
- Generator compatible
- Offering LED and LCD panels for selections
- Optional USB/RS232 communication port and RJ11/RJ45 protection

- ① AC input
- ② Output IEC socket
- ③ Optional USB & RJ11 communication
- ④ Optional USB & RS232 communication
- ⑤ Optional RJ45



LCD display



LED display



Optional socket



Rear Panel

# UM Series 650~3500VA ▶

## Technical Specifications

MODEL	UM-IEC 650	UM-IEC 850	UM-IEC 1050	UM-IEC 1200	UM-IEC 1500	UM-IEC 2000	UM-IEC 3000	UM-IEC 3500
Capacity	650VA	850VA	1050VA	1200VA	1500VA	2000VA	3000VA	3500VA
<b>INPUT</b>								
Voltage	220/230/240Vac							
Voltage Range	140~300Vac							
Frequency Range	50/60Hz (Auto sensing)							
<b>OUTPUT</b>								
AC Voltage Regulation (Batt. Mode)	± 10%							
Frequency Range (Batt. Mode)	50/60Hz ± 1 Hz							
Transfer Time	Typical 4~8ms, 13ms Max.							
Waveform (Batt. Mode)	Simulated Sinewave							
<b>BATTERY</b>								
Battery Voltage	12Vdc	24Vdc				48Vdc		
Battery Type & Number	12 V/7Ah × 1	12 V/9Ah × 1	12 V/7Ah × 2	12 V/9Ah × 2		12 V/7Ah × 4	12 V/9Ah × 4	
Typical Recharge Time	4~6 hours recover to 90% capacity			6~8 hours recover to 90% capacity				
<b>INDICATORS</b>								
LED Display (LED version)	AC Mode, Battery Mode, Overload, Fault						N/A	
LCD Display (LCD version)	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Battery Low							
<b>PROTECTION</b>								
Full Protection	Short circuit, Overload, Overcharge and overdischarge protection							
<b>ALARM</b>								
Battery mode	Sounding every 10 seconds							
Low Battery	Sounding every second							
Overload	Sounding every 0.5 second							
Battery Replacement Alarm	Sounding every 2 seconds							
Fault	Continuously sounding							
<b>MANAGEMENT</b>								
Communication port	USB or RS232 (Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC)							
<b>OPERATING ENVIRONMENT</b>								
Humidity	0~90 % RH @ 0~ 40° C (Non-condensing)							
Noise Level	Less than 45dB				Less than 55dB			
<b>PHYSICAL</b>								
Approx. Dimension (D × W × H)	298 × 101 × 142mm		353 × 149 × 162mm		380 × 158 × 198mm		436 × 145 × 212mm	
Approx. Net Weight	Approx. 4.3kg	Approx. 4.9kg	Approx. 7.8kg	Approx. 8.4kg	Approx. 10.1kg	Approx. 10.5kg	Approx. 20kg	Approx. 23kg

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