

## UM+ Series 1000VA - 3000VA 1:1 Phase

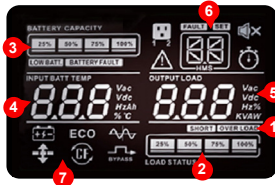
### Application:

Small network, servers and other IT equipment.

1KVA / 1.5KVA / 2KVA / 3KVA ▶



### • Control Panel (LCD)



1. Overload / Short Alarm
2. Load Percentage
3. Battery Percentage
4. Input / Battery / Temperatura Values
5. Output Values
6. Alarm / Programming Codes
7. Operation Mode

### • Features:

1. High frequency and double conversion online technology
2. Output Power Factor 1.0
3. Rack/Tower design
4. User-Friendly and Easy-Shift LCD display
5. Programmable power management outlets
6. 50/60 Hz frequency converter mode
7. ECO and advanced ECO mode for energy saving
8. Emergency Power Off Function (EPO)
9. Hot-Swappable battery design
10. Fully digitized microprocessor control
11. Wide input voltage range
12. Cold start
13. Advanced battery management
14. Automatic battery charging in UPS off mode
15. Lightning and surge protection up to 1000 Joules
16. Short circuit and overload protection
17. Fan speed auto control when load varies
18. Network/fax/modem surge protection
19. Battery voltage display
20. Load capacity display
21. Smart RS232 communication with monitoring software
22. Intelligent slot for SNMP or AS400
23. Extension battery pack (optional)
24. Automatic Test at start up
25. Input Cord Length 2 meters (3 meters under request)

### • Rack/Tower Design



19" Rack-Mounting



Floor-Standing Tower

### • Rear Panel

1. Network/fax/modem Protection
2. Extraction Fan(s)
3. USB Communication Port
4. RS232 Communication Port
5. EPO (Emergency Power Off)
6. Smart Slot (SNMP/AS400)
7. External Battery Socket
8. NEMA Outlets (8)
9. AC Input Cord
10. NEMA L5-30R Outlet (1)

1~2KVA

3KVA

### • User-friendly and easy-shift LCD display



### • Hot-swappable battery design



MODEL	UM+ 1000	UM+ 1500	UM+ 2000	UM+ 3000	
<b>PHASE</b>					
Single phase with ground					
<b>CAPACITY</b>	VA	1000 VA	1500 VA	2000 VA	3000 VA
	Watts	1000 W	1500 W	2000 W	3000 W
<b>INPUT</b>					
Input Connections		NEMA 5-15P	NEMA 5-15P	NEMA 5-20P	NEMA L5-30P
Input Voltage		110 VAC / 115 VAC / 120 VAC / 127 VAC or 208 VAC / 220 VAC / 230 VAC / 240 VAC			
Voltage Range	Low Line Transfer	80 VAC / 70 VAC / 60 VAC / 55 VAC ± 5 % or 160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)			
	High Line Transfer	150 VAC ± 5 % or 300 VAC ± 5 %			
Frequency Range		40Hz ~ 70Hz			
Power Factor		≥ 0.99 @ Nominal Voltage (100% Load)			
<b>OUTPUT</b>					
Output Voltage		110/115/120/127 VAC or 208/220/230/240 VAC			
AC Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz			
Frequency Range		50 Hz ± 0.2 Hz or 60Hz ± 0.2 Hz			
Power Factor		1.0			
Current Crest Ratio		5:1 (max.)			
Harmonic Distortion		≤ 2% THD (Linear Load) ; ≤ 4% THD (Non-linear Load)			
Transfer Time		0 mS (Online Mode >> Battery Mode)			
Waveform Type		Pure Sinewave			
<b>EFFICIENCY</b>					
AC Mode		91%		92%	
Battery Mode		90%		91%	
<b>BATTERY</b>					
Battery Type		2X 12V / 9AH	3X 12V / 9AH	4X 12V / 9AH	6X 12V / 9AH
Backup Time 50% - 100% Load		15 - 7 mins	15 - 7 mins	15 - 7 mins	15 - 7 mins
Typical Recharge Time		3 hours recover to 95% capacity			
Typical Recharge Time		2A ~ 8A (Configurable)			
Charging Voltage		27.4 VDC ± 1%	41.1 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%
<b>INDICATORS</b>					
LCD Display		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator			
<b>ALARM</b>					
Battery Mode		Sounding every 4 seconds			
Low Battery		Sounding every second			
Overload		Sounding twice every second			
Fault		Continuously sounding			
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)		405 x 438 x 88 [2U]	505 x 438 x 88 [2U]	505 x 438 x 88 [2U]	625 x 438 x 88 [2U]
Net Weight (kgs)		11	15	19	27
<b>ENVIRONMENT</b>					
Operating Relative Humidity / Temperature		0-95 % (Non-condensing) / 0-40°C			
Operation Altitude / Noise Level		0-3000 meters / Less than 50dBA @ 1 Meter			
<b>STANDARDS</b>					
Safety		EN62040-1 : 2008 (HV), EN 62040-2 : 2006 (EMC), IEEE-587, UL 1778/R:2006; CSA C22.2 NO.107.3-05/R:2006 (LV)			
Standards and Certifications		CE, FCC P15, RoHS, cTUVus (LV), ISO 9001, ISO 14001			
<b>MANAGEMENT</b>					
Smart RS-232 / USB		Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8/10, Linux, Unix, and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

Product specifications are subject to change without further notice.

### UM+ External Battery Pack (Optional)

Capacity	1K	1.5K	2K	3K
Battery Type	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah
Battery Number	4 pcs	6 pcs	8 pcs	12 pcs
Runtime Full Load	24 mins (1x Battery Pack) / 47 mins (2x Battery Pack) / 72 mins (3x Battery Pack)			
Dimension (DxWxH)	405 x 438 x 88 mm	505 x 438 x 88 mm	505 x 438 x 88 mm	625 x 438 x 88 mm
Net Weight (kgs)	17.5	24.7	29.5	42.2