



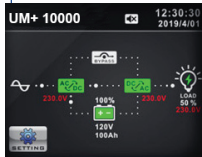
UM+ SERIES 6-10KVA Single Phase (1:1)

Application:

Small Networks, Servers and other networking equipments.



Control Panel LED+Touchscreen



1. Flow Chart
2. Load Percentage
3. Battery Values
4. Input / Output/ Environment Values
5. Log Events
6. Alarms / Programming Codes
7. Operation Mode

Features:

1. High Frequency and Double Conversion Online Technology
2. High Output Power Factor 1.0
3. Compact Design for Tower Installation
4. Multifunctional LCD Screen
5. Smart Battery Chargers (3 Stage)
6. Frequency Converter Mode 50/60Hz
7. ECO mode Operation for Energy Savings
8. Emergency Power Off Function (EPO)
9. Cold Start Function
10. Fully Digital Microprocessor (DSP)
11. Wide Input Voltage Range
12. Adjustable Battery Numbers
13. Manual Bypass for Maintenance
14. Automatic Battery Recharge with UPS Off
15. Protection against lightning and surges
16. Protection against short circuit and overloads
17. Automatic fan speed control
18. Option to Parallel connect up to 3 UPS
19. LCD display with extensive information
20. Internal Isolation Transformer
21. Communication Port RS232/USB and Monitoring Software
22. Smart Slot for SNMP and other Communication Options
23. Long Runtimes options with external battery packs (optional)
24. Automatic Self-Test Diagnosis

Monitoring Accessories



- Real-Time remote monitoring single or multiple UPS
- Real Time measurements: Voltage, Frequency, Load and Battery percentage
- Notifications and Alarms via E-mail
- History Log Events Storage
- Password Security for Login
- Ability Support for monitoring temperature, humidity and presence of smoke
- Dry Contacts interface integration for custom applications

Monitoring Software



- Administration and monitoring via LAN and Internet
- User friendly multilanguage graphical interface
- Programmed shutdown for server protection
- Local Alarms and Notifications
- UPS On and Off Programming

Parallel Operation



Parallel operation of up to 3 units
Maintenance without interruption of loads

Rear Panel



1. RS232 Port
2. USB Port
3. Emergency Stop (EPO)
4. Parallel Port
5. Smart Slot (SNMP)
6. Fans
7. External Batteries Connector
8. Maintenance Bypass
9. Input Breaker
10. Isolation Transformer (Internal)
11. Casters and Levelers

Tower

Technical Information Series UM+ Online UPS

Online UPS 1:1

MODEL	UM+ 6000		UM+ 10000	
Phase	Single Phase + PE			
CAPACITY	6000VA / 6000W		10000VA / 10000W	
INPUT				
Input Voltage	200 / 208 / 220 / 230 / 240 VAC			
Input Range	110-300 VAC @ 50% load ; 170-300 VAC @ 100% load			
Frequency Range	40~54 Hz @ 50Hz / 56~70 Hz @ 60Hz			
THDi	<3% @ 100% load			
Power Factor	>0.99 @ 100% load			
OUTPUT				
Output Voltage	208/220/230/240 VAC + N + PE			
AC Voltage Regulation	± 1%			
Frequency Range	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Overload	115%: 10min / 130%: 1min / 150%: 5sec			
Current Crest Ratio	3:1 (max)			
Harmonic Distortion	2% @ 100% carga lineal / 4% @ 100% carga no lineal			
Transfer Time	Online mode to Battery Mode	0ms		
	Online mode to Bypass	0ms		
Waveform	Pure Sinewave			
EFFICIENCY				
Online Mode	93.5%			
Battery Mode	92%			
BATTERY				
Standard Model	Battery Type	20x 12V / 9AH		20x 12V / 9AH
	Backup Time Half / Full Load	23 / 14 minutes		14 / 8 minutes
	Typical Recharge Time	90% capacity in 5 hours		90% capacity in 5 hours
	Charging Current	1.0A / 4.0A ± 10%		
Long Backup Model	Battery Type	Depending on the capacity of external Batteries		
	Number	18-20		
	Charging Current	4.0 A		
	Charging Voltage	273 VDC ± 1%		
INDICATORS				
LCD Display	UPS status, Load Level, Battery Level, Input Voltage, Output Voltage, Backup Time, Fault Codes.			
LED Panel	UPS Status, Load Level, Battery Level, Overload, Fault			
ALARMS				
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)	592 x 250 x 815		
	Net Weight (kgs)	115		140
Long-Run Model	Dimension, D x W x H (mm)	592 x 500 x 815		
	Net Weight (kgs)	63		89
ENVIRONMENT				
Humidity / Operation-Store Temperature / Operation Altitude	0-95% RH / 0- 45°C (non condensing) / 1500 m (non derate)			
Noise Level	< 50dB @ 1 Meter		< 52dB @ 1 Meter	
NORMATIVES AND STANDARDS				
Safety, Certifications and Standards	IEC/EN 62040-1, IEC/EN 62040-2 c3, IEC/EN 61000-4-2/3/4/5/6/8, IEC/EN 61000-2-2, EN5502 A, IEC 60950, IEEE-587, ANSI C62.41 CAT B, UL-1778, CSA C22.2 NO 107.3-14, CE, RoHS, cTUVus, FCC P.15 B-A, ISO:9001, ISO:14001.			
MANAGEMENT & COMMUNICATION				
Smart RS-232 / USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8/10, Linux, Unix, and MAC			
SNMP / Dry Contacts (Optionals)	SNMP with admin software including basic functions and web browser/ AS400 for dry contacts			

UM+ External Battery Modules (Optional)

Capacity	6KVA		6KVA		10KVA		10KVA	
Battery Type	12 V / 7 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 7 Ah	12 V 9 Ah	12 V / 9 Ah
Number of Batteries	18 pcs	20 pcs	18 pcs	20 pcs	18 pcs	20 pcs	18 pcs	20 pcs
Dimension (DxWxH)	592 x 250 x 815 mm				592 x 250 x 815 mm			
Net Weight (kgs)	54	57	58	63	54	57	58	63