



UM-SERIES 6-10KVA 1:1Phase

Application:

Rack mounted server and other networking equipment



Control Panel



LCD+LED Display

1. Backlight LCD
2. ON/OFF Button
3. Self-test/Silence Button
4. Scroll Button
5. Normal
6. Alarm
7. Abnormal

Features:

1. High frequency and double conversion on-line technology
2. Fully digitized microprocessor control
3. Wide input voltage range
4. LCD display
5. Cold start
6. Parallel capacity
7. Advanced battery management
8. Automatic battery charge in UPS off mode
9. Lightning and surge protection
10. Short circuit and overload protection
11. Fan speed auto control when load varies
12. Optional extension battery pack
13. EMI/RFI noise filter
14. Emergency stop EPO
15. Smart RS232 communication with monitoring software
16. Automatic self test diagnosis
17. High Output P.F. 0.7 (0.8 - optional)
18. Internal Isolation Transformer



1. Parallel operation, can parallel 3 UPS units.
2. Can carry out maintenance without cutting off the load (Maintenance Switch)

Rear Panel



1. RS232
2. Fan
3. Input breaker
4. Terminal block
5. SNMP Slot
6. Parallel Port
7. Battery Socket
8. Maintenance Switch
9. Active Wheel

Tower

Rear Panel

Rack Mount



Model	UM-6000	UM-6000RM	UM-10000	UM-10000RM
Capacity	6KVA / 4.8KW		10KVA / 8.0KW	
Input	Voltage Range			
	170 ~ 300 VAC			
	Frequency Range			
	45 ~ 65 Hz - (40 ~ 70 Hz - Optional)			
	Phase			
Single Phase				
THDi				
<3% Full Load				
Power Factor				
0.99 Full Load				
Output	Voltage Range			
	100/200 - 110/220 - 115/230 - 120/240Vac ±1% (Software Setable) 120/208 - 127/220Vac ±1% (Optional) - Other special voltages under requirement			
	Phase			
	Single Phase			
	Frequency Range			
	Synchronized with the utility on AC mode; 50/60 Hz ±0.1% on battery mode			
	THDv			
	<2% Linear Load / <4% Non Linear Load			
	Overload Capability			
	105% ~130% 10min, 131% ~150% 30s, >150% turn to bypass mode			
	Crest Factor			
3:1 (max)				
Short Circuit Protection				
5 Cycles turn off inverter, not transfer to bypass, provide alarm (AC mode) 5 Cycles turn off inverter, provide alarm (battery mode) input fuse blown or breaker action (bypass mode)				
Waveform				
Pure Sine Wave				
Transfer Time				
0ms (Between AC mode and Battery Mode)				
0ms (Between AC mode and Bypass Mode)				
Efficiency				
>92%				
Model				
12V sealed lead acid - maintenance free				
DC Voltage				
240VDC				
Battery	Configuration		20x 12V / 7AH (Expandible)	
	Backup Time (Typical Load)		22 min	N/A
	Backup Time (Full Load)		10 min	N/A
	Charge Current		1A ~ 5A per string (setable)	
	External Battery Cabinet		Yes	
	Recharge Time		90% capacity after 4hrs charging	
	Communication Interface			
	RS232 / Dry Contacts and SNMP (optional)			
Redundance				
Parallel Operation up to 3 units				
LCD Indication				
1. Input voltage / frequency, battery voltage, output voltage / frequency, load watt / VA value and percent, Inverter temperature. 2. Operation mode such as "on line", "on batt", or "on bypass"				
LED Indication				
1. Green LED for normal operation 2. Yellow LED for warning condition 3. Red LED for abnormal operation				
Noise Level				
<50dB @ 1m				
Environment	Operation/Storage Temperature		0 ~ 45 °C / -40 ~ 50 °C	
	Humidity		0% ~ 95% (non-condensing)	
	Operation Altitude		1500 m (non-derate)	
Other	Standard Time Unit Net/Gross Weight		89 / 104kg	N/A
	Dimension (WxDxH)mm		270x570x720	440x656x176
	Packing (WxDxH)mm		370x670x940	580x790x336
	Industry Standards		Tested to UL1778 (USA) and CSA (Canada), Meets FCC Part 15 Cat A (EMI), CE RoHS, EN/IEC 62040-1-1, EN/IEC 62040-2, IEC 62040-2 C3, IEC 62040-3, 3C EN 60950/EN500091-2, EN 61000 - 4.2,3,4,5,6,8,9,11 Level III, IEC60664-1 Level IV,	
	Quality Standards		ISO 9001:2008 / ISO 14001:2004	
Monitoring and Control Software		1CD included with each system		