

# 50-600kVA Modular UPS (50k module)

## Introduction

UM3350-600kVA is a new generation three-in-three-out modular UPS launched by our company. The products adopt digital control, modular design and N+X parallel redundancy technology, which integrates the most advanced technical achievements in the field of power electronics and automatic control. It is benchmarking product in the modular UPS field. The capacity covers all power sections between 50kVA and 600kVA, which is convenient for users to configure flexibly and gradually invest. It can be 4 parallel to 2400kVA.

## Scenarios

Large and medium data centers, server rooms.  
Financial centers, government, enterprise IT rooms, medical education and other mission-critical applications.

## Features

1. Centralized bypass, centralized control, modular design
2. Online double conversion and three level technology
3. DSP digital control technology
4. Wide input voltage range
5. Output power factor 1
6. High power density with size 440mm\*620mm\*3U
7. Cold start (battery start up)
8. ECO mode operation
9. Intelligent battery management
10. N+X redundancy
11. Communications: RS485/Relay card/USB/SNMP option
12. Optional emergency power off (EPO) function
13. Compatible with Lithium battery applications

## Benefits

1. Modular design, improves maintainability and reliability
2. ECO mode operation for energy saving
3. Cold start for easy operation
4. Communications for network management and remote monitoring
5. N+X redundancy, expanding as required, saves initial investment



## Specification

Model		UM33200-50	UM33300-50	UM33400-50	UM33500-50	UM33600-50	
Capacity	Cabinet	50~200kW	50~300kW	50~400kW	50~500kW	50~600kW	
	Module	50kW					
Max. Module Number		4	6	8	10	12	
Input	Phase	3 Phase 4 Wires and Ground					
	Rated Voltage	380/400/415Vac					
	Voltage Range	138~485Vac					
	Frequency Range	40Hz-70Hz					
	Power Factor	≥ 0.99					
	Current THDi	≤ 3%(100% linear load)					
	Bypass Voltage Range	Max.voltage: 220V:+25 %( optional +10%, +15%, +20%); 230V:+20 %( optional +10%, +15%); 240V:+15 %( optional +10%)					
		Min. voltage:-45 %( optional -10%, -20%,-30%)					
		Frequency protection range: ±10%					
	Power Walking In	Yes					
Bypass back irrigation	Bypass back irrigation						
Generator access	Yes						
Output	Phase	3 Phase 4 Wires and Ground					
	Rated Voltage	380/400/415Vac					
	Power Factor	1					
	Voltage Regulation	±1%					
	Frequency	Utility Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)				
		Battery Mode	(50/60±0.1%)Hz				
	Crest Factor	3:1					
	THD	≤ 2% with linear load, ≤ 4% with non linear load					
	Effieiciency	96%					
Overload	≤110%, to bypass after 60 min; ≤125%, to bypass after 10 min;≤150%, to bypass after 1 min						
Battery	Voltage	±180V/192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/ 46/48/50pcs optional)					
	Module charge current	Max 20A					
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms					
Protection	Alarm	overload, utility abnormal, UPS fault, battery low, etc					
	Protection	short circuit, overload, over temperature, battery low, fan fault alarm					
Communication Interface		CAN, RS485, FE, LBS, Parallel card, Relay card, SNMP card(optional)					
Environment	Operating Temperature	0°C~40°C					
	Storage Temperature	-25°C~55°C					
	Humidity	0~95% non condensing					
	Altitude	< 1500m					
	Noise level	<65dB	<68dB		<70dB		
Other	Cabinet Dimensions(W*D*H)mm	600*850*2000			1200*850*2000		
	Module Dimensions(W*D*H)mm	440*620*131					
	Cabinet Weight (Kg)	262	272	360	380	400	
	Module Weight (Kg)	33					
Standards		EN62040-1, EN62040-2					

CONTACT US



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