

RMDi

100 ~ 1200kVA

Modular UPS (100k module)



Introduction

RMDi 100-1200kVA is the newest generation of centralized bypass three-in-three-out modular UPS. The product adopts digital control, modular design and N+X parallel redundancy technology. The capacity covers all power sections between 100kVA and 1200kVA, which is convenient for users to configure flexibly and gradually invest. It can be 4 parallel to 4800kVA.

Applications

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

Features

Advance Technology

- DSP control technology, excellent performance, high stability system
- Three phase Vienna and three-level technology with more than 96% efficiency
- Output power factor 1.0

High Reliability

- Output Centralized control redundancy, N+X parallel redundancy up to 99.999%
- Centralized bypass improves the power supply ability
- With EPO and REPO function

Strong Convenience

- Modular design, adjustable power module quantity

- Hot-swappable module, short maintenance time
- 10 inches color touch screen, providing abundant UPS status

Smart Design

- Charging mode in smooth switching by LCD setting
- Intelligent charging makes fast charging and extends battery life
- Multiple optional parts, such as SNMP, relay, dry contact card, etc

Green Concept

- 3U modular design saves machine room's space
- Parallel shared battery technology reduces battery investment
- Optional 30-50pcs batteries without N line leads flexible configuration



Model		RMDi 600 - 100	RMDi 800 - 100	RMDi 1000 - 100	RMDi 600 - 1200
Capacity					
UPS Cabinet		100-600 kVA	100-800 kVA	100-1000 kVA	100-1200 kVA
UPS module		100 kVA			
Model quantity		6	8	10	12
Input					
Phase		3 Phase 5 Wires			
Rated Voltage		380/400/415Vac			
Voltage Range		138- 485Vac			
Frequency Range		40Hz-70Hz			
Power Factor		≥0,99			
Current THDi		≤3%(100% linear load); ≤5%(100% non-linear load)			
Bypass input					
Rated Voltage		380/400/415Vac			
Phase		3 Phase 5 Wires			
Bypass Protection Range		±10%			
Power Walking In		Yes			
Bypass back irrigation		Yes			
Generator access		Yes			
Output					
Voltage		380/400/415Vac ± 1%			
Power factor		1			
Frequency	Utility Mode	Bypass Protection (inverter supply)			
	Battery Mode	(50/60 ± 0.05%)Hz			
Wave Form		Pure Sine Wave			
Crest Factor		3: 1			
THO		≤1% (100% linear load); ≤3% (100% nonlinear load)			
Transfer Time (ms)		Utility to Bypass:0ms; Utility to Battery:0ms			
Effieciency(%)		≥96%			
Overload		≤110%, to bypass after 60mins; ≤125%, to bypass after 10 mins; ≤150%, to bypass after 1min			
Battery					
Modular current change		default 20A,Max 30A			
Voltage		Optional Voltage: 360-600Vdc (30 - 50 pieces optional.no battery N line)			
Protection					
Alarm		Overload, utility abnormal, UPS fault, battery low, etc			
Protection		short circuit, overload, over temperature, battery low, fan fault alarm, bypass back irrigation, lightning protection.			
Communication					
Communication interface		USB, CAN, RS485, FE, Parallel card, Dry contact card, SNMP card(optional), LBS (optional), temperature sensor (optional)			
Environment					
Operating Temperature		0°C - 40°C			
Storage Temperature		-40°C - 70°C (no battery)			
Humidity		0 - 95% (no condensing)			
Altitude		< 1500m (over 1500m, derating use)			
Noise level		<70dB			
Physical					
Dimensions D*W*H(mm)	UPS cabinet	1000*800*2000	1000*1600*2000(1 switch)/1000*1800*2000 (4 switches)		
	UPS Module	750*440*131			
Net Weight (kg)	UPS cabinet	412	700/900	710/910	720/920
	UPS Module	49			
Standards					
Standards		EN62040-1, EN62040-2, EN62040-3			