RMDi

50 ~ 800kVA Modular UPS (50k module)



Introduction

RMDi 50-800kVA 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 800kVA, which is convenient for users to configure flexibly and gradually invest. It can be 4 parallel to 3200kVA.

Applications

Medium data centers, server rooms Telecom, IT equipment, group enterprises, and other mission-critical applications.

Benefits

- Modular design, improves maintainability and reliability
- · ECO mode operation for energy saving
- Cold start for easy operation
- Communications for network management and remote monitoring
- N+X redundancy, expanding as required, saves initial investment

Features

- Centralized bypass, centralized control, modular design
- Online double conversion and three level technology
- DSP digital control technology
- Wide input voltage range
- Output power factor 1
- High power density with size 440mm*620mm*2U
- Cold start (battery start up)
- ECO mode operation
- intelligent battery management
- N+X redundancy
- Communications: RS485/Dry contact card/SNMP option
- Optional emergency power off (EPO) function
- Compatible with lithium battery applications



DPS module	Model		RMDi 200 - 50	RMDi 300 - 50	RMDi 400 - 50	RMDi 500 - 50	RMDi 600 - 50	RMDi 800 - 50
UPS module	Capacity							
Model quantity	UPS Cabinet		50-200 kVA	50-300 kVA	50-400 kVA	50-500 kVA	50-600 kVA	50-800 kVA
Input	UPS module				50	kVA		
Rated Voltage	Model quantity		4	6	8	10	12	16
Rated Voltage 380,400,415Vac	Input							
Voltage Range			3 Phase 4 Wires and Ground					
Frequency Range	Rated Voltage		380/400/415Vac					
Power Factor			138- 485Vac					
Salignown Sali			40Hz-70Hz					
Bypass Voltage Range Max.voltage: 220V:+25 % (optional +10%, +16%, +20%); 230V:+20 % (optional +10%, +16%); 240V:+15 % (optional +10%; 16%); 240V:+16 % (optional +10%; 16%); 240V:+15 % (optional +10%; 16%); 240V:+16 % (optiona			≥0,99					
Sypass Voltage Range	Current THDi		≤3%(100% linear load); ≤5%(100% non-linear load)					
Power Walking In Sypass back irrigation Bypass back irrigation Bypass back irrigation Bypass back irrigation Bypass back irrigation	Bypass Voltage Range		(optional +10%, +15%); 240V:+15 %(optional +10%); Min. voltage: -45% (optional -20%, -30%)					
Bypass back irrigation Bypass back irrigation Generator access Yes	Power Walking In							
Generator access Yes Output Output Phase 3 Phase 4 Wires and Ground. Rated Voltage 380/400/415Vac M Power Factor 1 Voltage Regulation ± 1%, ± 2%, ± 4%, ± 5%, ± 10% of the rated frequency(optional) Frequency Utility Mode ± 1%, ± 2%, ± 4%, ± 5%, ± 10% of the rated frequency(optional) Frequency 3:1 5(5)/60± 0.1%/Hz THD ≤2% with linear load; ≤4% with non linear load Efficiency 96% Overload ≤ 110%, to bypass after 60min; ≤ 125%, to bypass after 10min; ≤ 150% to bypass after 1min Battary ± 180V/± 192V/± 204V/± 216V/± 228V/± 240/± 252/± 264/± 276/± 288/± 300Vdc Voltage ± 180V/± 192V/± 204V/± 216V/± 228V/± 240/± 252/± 264/± 276/± 288/± 300Vdc Module change current Default 10A, max 15A Transfer time Utility to Battery; Oms; Utility to bypass: Oms Protection Short circuit, overload, over temperature, battery low, etc Protection Short circuit, overload, over temperature, battery low, fan fault alarm Communication interface USB, CAN, RS488, FE, Parallel card, Dry contact card, SNMP card(optional), temperature sensor (optional) <tr< td=""><td colspan="2"></td><td colspan="6">11</td></tr<>			11					
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Voltage Regulation								
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Net Weight (kg) UPS cabinet 203 235 407 443 513 91:	D*W*H(mm)	UPS Module	620*440*131					
INEL WEIGHT (RU)	Net Weight (kg)	UPS cabinet	203	235	407	443	513	919
UPS Module 33		UPS Module			3	33		
Standards	Standards							
Standards EN62040-1, EN62040-2, EN62040-3	Standards		EN62040-1, EN62040-2, EN62040-3					