RD4031 UDC9300

ReDeal

The ReDeal RD4031 UDC9300 3P/1P 10kVA~20kVA Series, featured with up to 93.5% efficiency, N+X Parallel Redundancy, DSP-controlled technology, superior input voltage window for energy saving, estimated remaining time, ECO mode, flexible system configuration, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.

Features

- Flexible Input 3Phase or 1Phase
- Both Built-in Battery and Long backup Models are Available
- Output Power Factor 0.9
- N+X Parallel Redundancy
- True Online Double Conversion with DSP Control
- Segmental LCD +LED with Three Function Keys
- Touch-screen 2.4" Color Monitor LCD as option
- Green Concept Design for Environment
- High Conversion Efficiency up to 93.5%
- Built-in Powerful Charger Can be set from 1A up to 18A
- System Battery Voltage 16/18/20 blocks Configurable
- Automatic Battery Test Settable from LCD
- Common Battery When UPS in Parallel
- 3-level Intelligent Charging Modes
- EPO/Remote EPO
- Maintenance Bypass Switch Is Integrated
- Communication Interface, RS232/USB/ Communication Slot

Megapower UDC9300
3P/1P 10kVA~20kVA Series
UDC9310(S/H) I UDC9315(S/H) I UDC9320(S/H)

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RD4031 UDC9300 3P/1P 10kVA~20kVA Series

Model			10k (S/H)	15k (S/H)	20k (S/H)
Capacity			10kVA	15kVA	20kVA
			10kW	15kW	20kW
Input	Phase		380/400/415Vac,(3Ph+N+PE)		
			220/230/240Vac,(L+N+PE)		
	Rated Voltage		380/400/415Vac		
			220/230/240Vac		
	Voltage Range		208~478Vac		
			120~276Vac		
	Frequency Range		40-70Hz		
	Bypass Voltage Range		Max. voltage: 220Vac: +25%(optional +10%,+15%,+20%)		
			230Vac: +20%(optional +10%,+15%)		
			240Vac: +15%(optional +10%)		
			Min. voltage: -45% (optional -10%, -20%, -30%)		
			Frequency protection range: ±10%		
	Generator Input		Support		
Output	Phase		220/230/240Vac,(L+N+PE)		
	Rated Voltage		220/230/240Vac		
	Power Factor		0.9		
	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		03:01		
	Power factor		1		
	THD		≤2% with linear load		
			≤5% with non linear load		
Efficiency			Up to 93.5%		
Battery	Voltage	Standard unit	±120Vdc(20pcs9AH)	±120Vdc(2x20pcs 9AH)	
			(20pcs7AH;2x20pcs 7/9AH optional)	(2x20pcs 7AH optional)	
		Long run unit	±96/108/120Vdc (16~20 pcs, 16 pcs define, Standard unit and 20 pcs no power derating; 18 pcs output power factor 0.8; 16 pcs output power factor 0.7)		
	Charge Current(A)	Standard unit	1.35A	2.7A	
		Long run unit	14A max.	18A max.	
			charge current can be set according to battery capacity installed		
Transfer Time			Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Overload	AC Mode	Loads≤110%: last 60min change to bypass, ≤125%: last 10min, change to bypass, ≤150%: last 1min change to bypass, >150% change to bypass immediately		
		Bat. Mode	Loads≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, >150% shut down UPS immediately		
		Bypass Mode	Breaker 2x32A	Breaker 2x63A	
	Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
	Battery Low		Alarm and Switch off		
	Self-diagnostics		Upon Power On and Software Control		
	EPO(optional)		Shut down UPS immediately		
	Battery		Advanced Battery Management		
	Noise Suppression		Complies with EN62040-2		
Alarms	Audible & Visual		Line Failure, Battery Low, Overload, System Fault		
Display	Status LED & LCD		Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
	Reading On the LCD		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature		
Communication Interface			USB, RS232, Parallel (optional), Intelligent slot, SNMP card (optional), Relay card (optional)		
Environment	Operating Temperature		0℃~40℃		
	Storage Temperature		-25℃~55℃		
	Humidity		0~95% non condensing		
	Altitude		< 1500m.When>1500m,lower the rated power for use		
Other	Dimensions		Standard unit：250×900×868		
	(W×D×H)mm		Long run unit：220×531×450		
	Weight (Kg)		114/22	167/24	171/28
Safety Conformance			CE,EN/IEC 62040-2,EN/IEC 62040-1-1		

Specifications subject to change without prior notice.

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