UM Series Rack-Mounted Modular Online UPS

30-180kVA 3Phase Input/3Phase Output (380V/400V/415V)

Introduction

UM 30-180kVA UPS is a modular design UPS, it adopts online double conversion and advanced DSP digital control technology, which can copmpletely eliminate all kinds of grid problems and provide customers with stable and pure sinusoidal power supply protection. Advanced design makes these products have unparalleled reliability and high performance. The high input power factor and low input current harmonics ensure the UPS green and environment protection, and high efficiency ensures the energy saving.

Application

Small and medium-sized data centers, IT machine rooms, financial institutions, traffic dispatch centers, security monitoring, etc.

Features

- Centralized bypass, modular design
- DSP digital control technology
- Frame mounted design
- Wide input voltage range
- Intelligent battery management extends battery life
- 7-inch color touching screen, friendly man-machine interface, easy to operate
- Online double conversion technology
- High efficiency, up to 96%
- N+X redundancy
- Output power factor 1

UnitronicPower

Specification

MODEL		UM060/30	UM120/30	UM180/30
Capacity		30-60kVA	30-120kVA	30-180kVA
Input	Phase	3 Phase+Neutral+Ground		
	Rated Voltage	380/400/415Vac		
	Voltage Range	138-485Vac		
	Frequency Range	40-70Hz		
	Power Factor	≥0.99		
	THDi	≤3% (100% linear load)		
Bypass	Voltage Range	Upper limit:380V+25% (+10%, +15%, +20%, settable); 400V+20% (+10%, +15%, settable);415V+15% (+10%, settable);Lower limit: -45% (-10%, -20%, -30%, settable)		
	Frequency Range	50/60Hz±10%		
Output	Phase	3 Phase+Neutral+Ground		
	Rated Voltage	380/400/415Vac		
	Power Factor	1		
	Voltage Regulation	±1%		
	Output Frequency	Normal Mode: ±1%/±2%/±4%/±5%/±10%, settable; Battery Mode: 50/60Hz±0.1%		
	Crest Factor	3:1		
	THDu	≤2% (linear load); ≤5% (non-linear load)		
	Overload	110% for 60 mins; 125% for 10 mins; 150% for 1 min; >150%, transfer to bypass		
Battery	Rated Voltage	±240VDC		
	Charging Current	Max.10A per module		
	Efficiency	96%		
	Display	7-inch color touching screen		
System	IP Class	IP20		
	Interface	USB, CAN, RS485, LBS (optional), Parallel card (optional), Relay card (optional), SNMP card (optional)		
	Temperature	Operation: 0-40 ℃; Storage: -25-55℃		
	Humidity	0-95% (non-condensing)		
	Altitude	<1500m, within 1500-4000m, power derates 1% every 100m rise		
	Noise (1meter)	<62dB		
	Applicable Standard	Safety: IEC/EN 62040-1; EMC: IEC/EN 62040-2; Performance: IEC/EN 62040-3		
Physical	Weight(kg)	45kg (cabinet)	60kg (cabinet)	86kg (cabinet)
		Module: 23kg		
	Dimension W*D*H(mm)	485* 780*487	485*780*663	485*780*1050
		Module: 440*620*86		