PLUG & POWER

UM Integrated UPS

Introduction



UM integrated UPS adopts on-line transfer technology to eliminate influence from main power. Product integrates UPS and power distribution system with flexible configurations. UM integrated UPS is designed as modularization which supports system capacity smooth expansion from 15-90kVA, 30-120kVA or 25-125kVA, which features simple maintenance, high reliability and great intelligence, provides stable power supply solution in data centers or communication stations for clients.



Application

- Enterprise small, middle data center
- Telecommunication, transmission room
- Financial branches, traffic transit center, Security system

Features and Values

Extremely simple

Integrated with UPS and power distribution, save space.

Modularization design

Power module, bypass module, control module, Hot swap, Capacity on demand, easy maintenance.



High reliability

138V~485V range of main power input voltage, 40~70Hz range of main power input frequency.

High compatibility

Standard cabinet design, Appearance same as IT cabinet.

7 Inches touch pad visual display, easy operating.

Flexible configuration on main power input and battery quantity.

UM integrated UPS Specification

Total Capacity		90kVA	120kVA	125kVA
Power module capacity		15kVA	30kVA	25kVA
Power module quantity		6	4+1	5+1
Main Power Input	Type	3L+N+PE		
	Voltage	380V/400V/415V		
	Frequency	50/60Hz		
	Power factor	>0.99		
	THDi	THDi<3% (100% Linear load)		
	Voltage range	138～485VAC; 305～485VAC 100% Output, 138～305VAC Output Drop		
	Frequency range	40-70Hz		
Bypass	Voltage	380V/400V/415V		
	Voltage range	Configurable, 220V: +10%, +15%, +20%, 25%Max; 230V: +10%, +15%, +20%Max; 240V: +10%, +15%Max; All: -10%, -20% ,-30%, -45%Min		
	Frequency range	50/60Hz ±1Hz, ±3Hz, ±5Hz		
Battery	Voltage range	360-600VDC (30-50 Pcs 12V Battery, Even number configuration, default 40 Pcs)		
Output	Power factor	1		
	Rated Voltage	380V/400V/415V		
	Rated Frequency	50/60Hz		
	Voltage accuracy	± 1%		
	Dynamic Responce	<5% (0% - 100% - 0% Step load)		
	Restoration time	<20ms (0% - 100% - 0% step load)		
	THDv	<2% (linear load) ,<3% (unlinear load)		
	Overload	110%,1 hour to bypass; 125%, 10 min to bypass; 150%, 1 min to bypass; >150%, 200 ms to bypass		
System	Efficiency	Normal mode 96%, Eco mode 99%		
	IP Grade	IP20		
	Communication	RS485, Dry contactor, SNMP, EPO		
	Operating Temperature	0-40℃		
	Storage Temperature	-25℃ to 70℃		
	Storage Humidity	0-95%		
Power distribution	Main input	Single input MCCB / Dual input ATS		
	Capacity	250A	400A	
	UPS PDU	1*200A, 2*160A, MCCB	3*250A, MCCB	
	IT PDU	2*20*32A/1P, MCB	2*24*32A/1P, MCB	
	A/C PDU	4*63A/3P, 3*16A/1P, MCB	8*63A/3P, 3*16A/1P, MCB	
Dimension	W×D×H (mm)	600×(1100 or 1200)×2000		