

NUPS23 Series

Niveo Professional True Sine Wave Double-Conversion Online Rack/Tower UPS

NUPS23-1000- 1.0KVA/900W
NUPS23-2000-2.0KVA/1800W
NUPS23-3000- 1.0KVA/2700W

More information:
WWW.NIVEOPROFESSIONAL.COM

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Product Specification

Introduction

Ranging from 1KVA to 3KVA, NUPS23 provides server-grade full power protection from power failure, spikes and surge in small footprint with 3-level charging method and enhanced output power factor 0.9. Combining flexible rack/tower form factor and easy-shift LCD panel design, this series is perfect for AV, networking, telecom, server and mission-critical applications. Optional battery packs to enhance run time.

- **Clean power output**
- **No delay for batteries to kick in during black-outs**
- **Remote manageable**
- **Switchable outlets**

Features

- True Sine Wave double-conversion online
- Output power factor 0.9
- User-friendly and easy-shift LCD design
- Rack/Tower design
- ECO and advanced ECO mode for energy saving
- Output voltage regulation < 1%
- Higher output crest ratio 5:1
- Programmable power management outlets
- Emergency power off function (EPO)
- Hot-swappable battery design

Multiple communication available

Specifications 1KVA-3 KVA

Model		NUPS23-1000	NUPS23-2000	NUPS23-3000
Capacity (VA/W)		1000VA/900W	2000VA/1800W	3000VA/2700W
	Phase	Single phase & Ground		
	Rated Voltage	100/110/115/120/127VAC or 210-240 VAC		
	Voltage Range	55-145VAC or 190-250VAC		

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	Frequency Range	45Hz-65Hz(auto-detect)
	Power Factor	≥0.98
Input	Current THDi	<7% at 100% non-linear load
	Bypass Voltage Range	Max.voltage: +15%(optional +5%、+10%、+25%) Min. voltage: -45% (optional 20% 、-30%) Frequency protection range: ±10%
	ECO Range	same as the bypass

	Generator Input		Support		
	Phase		Single phase & Ground		
	Rated Voltage		Depending on territory:100/110/115/120/127VAC or 210-240 VAC		
	Power Factor		0.9		
	Voltage Regulation		±2%		
Output	Frequency	Utility Mode	50Hz or 60Hz(Synchronized to Mains)		
		Battery Mode	50/60Hz±0.02Hz		
	Crest Factor		5:1		
	THD		≤3% with linear load ≤5% with non linear load		
	Waveform		Pure Sinewave		
	AC Mode(full load)		up to 90%		
Efficiency	Battery Mode(full load)		>85%		
	ECO Mode(full load)		>94%		
	Voltage		24Vdc	48Vdc	72Vdc
	Capacity(standard unit)		12V/9AH		
	Backup Time		Full load>=5 minutes; 50% load>=13 minutes		
Battery	Recharge time to 90%		5 hours		
	Charging Current		1A		
	Battery Socket		Anderson like PowerPole Modular Connectors		
Transfer Time			Utility to Battery : 0ms; Utility to bypass< 4ms		
		AC Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely		

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	Overload	Bat. Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely		
		Bypass Mode	Load > 130%: 60S then shut down output		
	Short Circuit		Hold Whole System		
	Overheat		Line Mode: Switch to Bypass; Battery Mode: shut down UPS immediately		
Protection	Battery Low		Alarm and Switch off		
	Self-diagnostics		Upon Power On and Software Control		
	EPO		Shut down UPS immediately		
	Battery		Advanced Battery Management		
	Noise Suppression		Complies with EN62040-2		
Alarms	Audible & Visual		Line Failure, Battery Low, Overload, System Fault		
	Status LED & LCD		Load/Battery/Input/Output/Operating Mode Information		
Display	Reading On the LCD		Load/Battery/Input/Output/Operating Mode Information		
	Dimension(WxHxD)m m		440x86.5x430	440x86.5x572	440x86.5x696
Physical	Weight (Kg)		15.1	22.2	25.5
	External Battery Connection		Anderson like PowerPole Modular Connectors		
	Smart RS232/USB Port		Supports Windows Family, Linux, FreeDSB, etc.		
Communication Interface	Communication Slot		SNMP Card (independent to RS232)		
	RJ45		Built-in Power Surge, Lightning Protection Device		
	Operating Temperature		0℃～40℃		
Environment	Storage Temperature Humidity		-25℃～+55℃ 0～90% non condensing		
	Altitude		< 1500m.(derating while > 1500m)		
	Noise		<50dB(at 1 meter)		
Safety Conformance			UL1778, CSA22.2		

Runtime extending Battery Banks

Battery Bank Model	NUPS23-BP1	NUPS23-BP2	NUPS23-BP3
Bat.Type	9AH		
Bat. DC Voltage Max.Quantity	24Vdc 4pcs	48Vdc 8pcs	72Vdc 12pcs
Max. Charge Current	1.4A		
Unit Dimensions WxHxD (mm)	440x86.5x430	440x86.5x572	440x86.5x696
Physical Weight (Kg)	17.3	29.5	40.6

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NUPS23-SNMP

SNMP card for NUPS23-series



Main Features

Allows control and monitoring of multiple UPSs through RJ-45 network connection

Real-time dynamic graphs of UPS data (voltage, frequency, load level, battery level)

Warning notifications via audible alarm, broadcast, mobile messenger, e-mail and SNMP traps

Historic data log stored in centralized PC database

Simple firmware upgrade with one click

Password security protection and remote access management

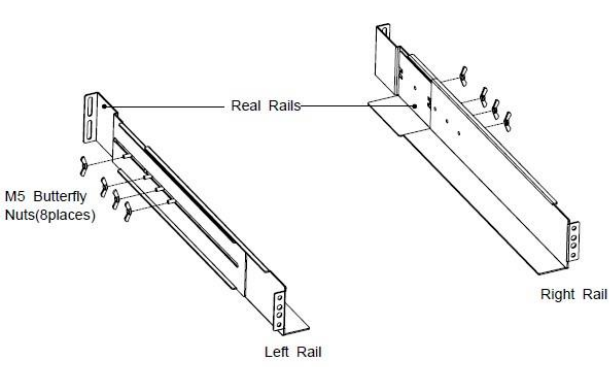
Specifications

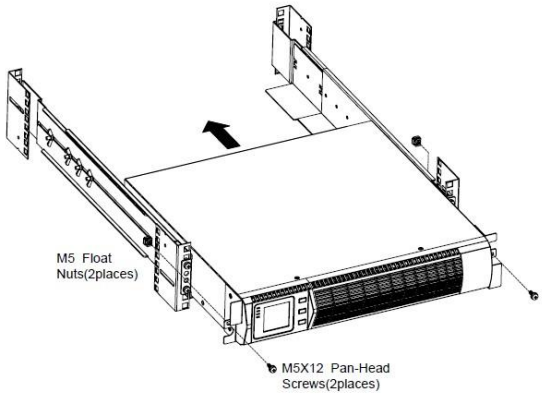
Protocol Support	SNMP-V1, SNMP-V2
UPS Slot Type	Golden Finger
Network Support	RJ45 10/100BaseT
Supported MIB	RFC1213, RFC1628, MIB
Supported OS	Windows family, Linux, MAC, and Solaris
Power Input	12V
Power Consumption	2 watt (max.)
Operating Temperature	0 ~ 40°C
Operating Humidity	0% ~ 95%
Dimension, D x W x H	0.9 x 1.85 x 0.6 inch
Net Weight	0.08lbs

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NUPS23-RS

Rail-kit for NUPS23-series





Main Features

- Allows easy & Stable installation in any 19” Rack

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