



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:

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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		
Voltage Range	55-145VAC		
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		100/110/115/120/127VAC		
	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		
Efficiency	AC Mode(full load)		up to 90%		
	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		
	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°C~40°C		
Environment	Storage Temperature	-25°C~+55°C		
	Humidity	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

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

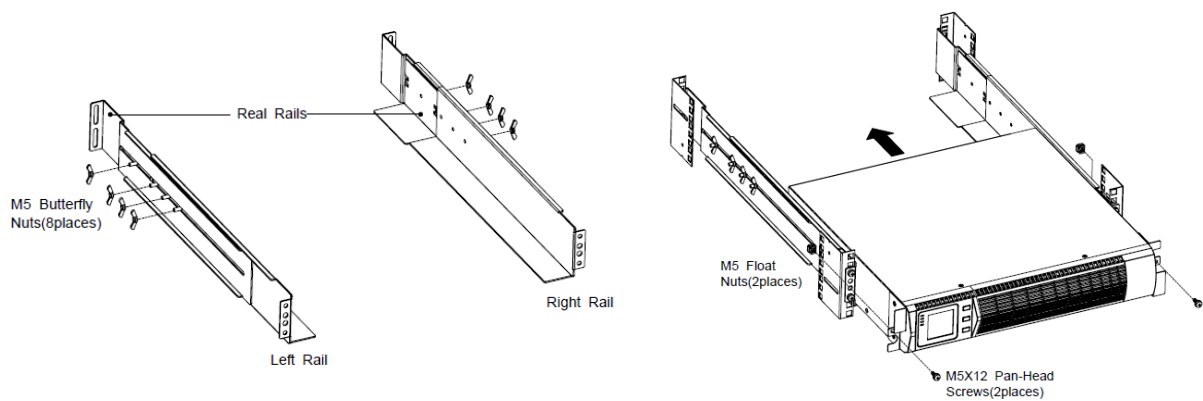


Specifications

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

NUPS23-RS

Rail-kit for NUPS23-series



Main Features

- Allows easy & Stable installation in any 19" Rack