

Line Interactive UPS

NS-A series



Specially for personal computer

100% made in Taiwan it allows switching to UPS supply automatically when external power supply is off or abnormal over high or low voltage. It contains two steps AVR. Voltage regulation plus UPS provide quasi sine wave output offered lightning surge protection, noise filtering and short circuit protection for PC and servo and other small capacity IT equipment.

Feature:

- **Full low frequency working, no interference to your equipment**
Free of any high frequency transforming power circuit and won't cause any high frequency disturbance
- **Built-in AVR offering wider applications**
Built-in AVR function provides automatic when the mains is too high or too low-extra protection to your equipment
- **With battery start function**
When external power is off, internal battery can be applied to start machine
- **With overload and short circuit protection**
It has overload protecting device is capable of cutting off power supply upon overload and short circuit
- **Multiple audio warning functions**
At UPS off, battery low, both overload and short circuit protecting device will have different warning sound
- **Containing various LED indicating functions**
For unit of 1.5KVA capacity or higher, the unit has LED 5 indicating functions, including normal, battery discharge, AVR actions, turning off, overheating and battery power indication
- **With mute switch**
Mute switch for 1.5 KVA and above capacities allowing switching off warning sound at power off
- **Lightning surge protecting device**
It has surge protection device and can effectively absorb 4500 A (8/20 μ s) and can effectively reduced the damage of thunder strike
- **Incorporated with DB9 communication interface**
It offers possibility of installing monitoring software to set saving and turning off
- **With auto-restart function**
When UPS off and power is supplied by internal battery, UPS will be off automatically when battery energy is exhausted. And when mains is resumed, UPS will re-start automatically
- **Custom long time discharge model acceptable**
If long time discharge needed, we can accept custom order and can also add large current charging board to short battery recharge time
- **With large starting current suitable for elevator of each brand**
This series has other elevator specific model with larger starting current and output is available 5 seconds after power off and with dry contact signal of power off and machine turning off

❖ Application:



Personal Computer



IT Equipment



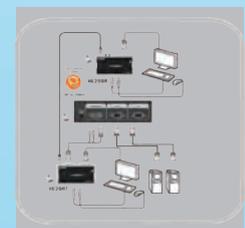
Document Control



Work Station



Audio/Video Room



Sales Management System

With Battery
Booting Function



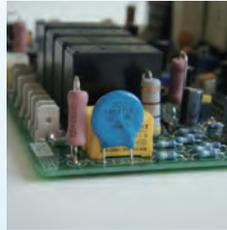
After power off, UPS DC can be used to start to provide AC power.

DB 9 Communication
Interface



With DB9 communication interface port for software to operate automatic shut down

With Lightning
Surge Protection



With lightning surge protecting element for the equipment

Free of Interference
at Low Frequency



In low frequency design, free of oscillation interference to equipment

Multiple Audio
Warning



Different audio warning to tell situations of UPS

Model & Specification:

Model		NS-A601	NS-A102	B-152	B-202	B-302
Capacity	VA/Watts	600VA/360W	1000VA/600W	1500VA/900W	2000VA/1200W	3000VA/1800W
Input	Voltage	110/115/120VAC or 220/230/240VAC				
	Voltage Range	83VAC~143VAC or 166VAC~286VAC				
	Frequency	47Hz~53Hz or 57Hz~63Hz				
Output	Voltage	110/115/120VAC or 220/230/240VAC±10%				
	Frequency	50Hz or 60Hz±1Hz				
	Waveform	Simulated sine wave				
	Transfer Time	<4ms				
	Outlets	NEMA5-15R*2pcs or the other type		NEMA5-15R*6pcs or the other type		
Battery	Battery Voltage	12VDC	24VDC	48VDC		
	Battery Type	High Rating 12V/5AH		12V/4AH	High Rating 12V/5AH	High Rating 12V/9AH
	Battery Quantity	1PCS	2PCS	4PCS		
	Back up Time (Load with 1 PC)	15mins	40mins	60mins	90mins	120mins
	Recharging Time	8 hours to 90% after fully discharged				
Function	Line Conditioning Regulation(AVR)	When input voltage too high or too low, it's with rising or decreasing voltage function automatically				
	LED Display	1 LED: Normal (steady on) Discharging (slow blinking) Battery low (quick blinking) Overload/Short/UPS Cut-off (LED off)		10LEDs: Normal (Green) Discharging (Green) AVR on (Orange) UPS cut-off (Orange) Overheat (Red) Battery level (5LEDs)		
	Alarm	Buzzer on for Back-up mode, Battery low				
	Mute Switch	No		Yes (can be switched)		
	DC Start(Cold start)	While mains black out, it can use internal batteries to turn on the UPS				
	Auto Restart UPS	While mains recover, it can turn on automatically				
	Output Auto Delay	No		Yes (delay 5 seconds)		
	Overload/Short Protection	Circuit Breaker(Line mode), Fuse and Electronic Circuit (back-up mode)				
	Lightning/Surge Protection	350J/10000A				
	Communication Port	Dry Contact (it can be matched with RUPS-2000 software for windows 95/98/NT/2000/ME/XP/Vista)				
Safety Conformance	Safety Regulation	EN62040-1-1				
	EMC	EN62040-2				
Environment	Temperature	0°C~40°C				
	Humidity	0%~95% (non-condensing)				
	Audible Noise	<40db (at 1meter)				<50db (at 1M)
Physical	Net weight (KGS)	6.5	11.5	17.6	18.5	UPS:14 Battery Bank:14
	Dimension:WxHxD (cm)	9.4x17x27	9.4x17x39	16x24x41		16x24x41 (2 sets)