

Nx890

80 kVA ~ 500 kVA (3:3)
PF 0.9



Nx890 series UPS 80 ~ 500 kVA provide maximum protection and power quality for mission critical loads, including data centers, Industrial Processes, telecommunications, security and electro-medical systems. It is on-line double conversion UPS with IGBT based 3-level PWM rectifier technology, featured with high input power factor (> 0.99), low THDi, high efficiency and built-in output isolation transformer.

Features

- Online double-conversion with DSP control
- Latest IGBT rectifier technology, high input power factor (> 0.99) and low THDi ($\leq 3\%$)
- High efficiency even at light loads
- Strong mixed load capacity and high overload capacity
- Compact and small footprint
- Unique ventilation design
- Batteries are directly connected directly to the bus, improving the impact resistance of UPS output
- Output isolation transformer using DZn0 winding makes strong capability with unbalanced loads
- Input and Output are completely isolated for great security
- Simulated modular design makes maintenance easy and quick
- High MTBF ($> 200,00$ h)
- Low MTTR (< 0.5 h)
- Front accessible maintenance and installation against wall allowed
- Bottom and sides cable entry compatible
- Generator compatible
- Intelligent self-diagnosing function, superior failure protection, large capability of history records storage
- Optional N+X redundancy parallel upto 6 units

Specifications



MODEL	Nx8980	Nx89100	Nx89120	Nx89160	Nx89200	Nx89250	Nx89300	Nx89400	Nx89500
Capacity	80 kVA / 72 kW	100 kVA / 90 kW	120 kVA / 108 kW	160 kVA / 144 kW	200 kVA / 180 kW	250 kVA / 225 kW	300 kVA / 270 kW	400 kVA / 360 kW	500 kVA / 450 kW
INPUT									
Input wiring	Three-phase five-wire (3 \emptyset + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Voltage range	304 ~ 346 V (derating 10%), 346 ~ 456 V (full load)								
Rated Frequency	50/60 Hz								
Frequency range	(50 / 60) \pm 5 Hz								
Power factor	\geq 0.99								
Total harmonic distortion (THDi)	\leq 3 %								
Delayed start of rectifier	10 s (1 ~ 300 settable)								
Bypass voltage range	\pm 20% (settable)								
OUTPUT									
Output wiring	Three-phase five-wire (3 \emptyset + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Output Voltage regulation	\pm 1%								
Output Frequency regulation	50/60 Hz \pm 0.1% Hz in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	\leq 2% (linear load); \leq 5% (non-linear load)								
Crest Factor	3:1								
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min								
BATTERIES									
DC Voltage	Lead acid battery: 600 Vdc Lithium iron phosphate battery : 614.4 Vdc								
Number of battery	Lead Acid battery : 12 V x 50 pcs (support 48 ~ 52 pcs) Lead Acid battery : 2 V x 300 pcs (support 288 ~ 312 pcs) Lithium iron phosphate battery : 3.2 V x 192 pcs (support 192/208 pcs)								
Charging current	Charging rate (settable) x battery capacity (settable) x number of battery groups (settable)								
SYSTEM									
Efficiency	Line mode \geq 92% ECO mode \geq 97%				Line mode \geq 94% ECO mode \geq 98%				
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure								
Communications	Standard configuration : RS232, RS485, dry contacts Optional configuration: SNMP card, temperature compensation, SMS alarms								
Display	5.7 inches LCD touch screen								
OTHERS									
Operating temperature	0°C ~ 40°C								
Storage temperature	-25°C ~ 55°C (without batteries)								
Relative humidity	0% ~ 95% (non-condensing)								
Altitude	\leq 1000 m, Above 1000 m, derating 1% for each additional 100 m								
IP rating	IP 20								
Noise level at 1 m	\leq 65 dB						\leq 70 dB		
Dimensions (WxDxH) (mm)	800 x 800 x 1800			800 x 860 x 1700		1210 x 860 x 1950		2380 x 860 x 1950	
Packaged dimensions (WxDxH) (mm)	900 x 900 x 2050			900 x 1000 x 1950		1300 x 1000 x 2200		1300 x 1000 x 2200 (x2)	
Net weight (kg)	580	630	680	790	1135	1275	1355	2090	2300
Gross weight (kg)	630	680	730	840	1200	1340	1420	2200	2410

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.
- This product is applicable to industrial, commercial, financial, rail transit and other industries applications, but not available for life support systems.
- For critical systems related to public safety or significant economic benefits, dual power system is required to power the load.

Contact Us,

Numax Energy Solutions
Plot no.50&51, Narayanaswamy Nagar, Old village, Block-2, Cherlapally, Hyderabad,500 051.
E-Mail: sales@numaxups.co.in

