

Online UPS Nx800

10kVA-30kVA (3:1) PF 0.8



FEATURES

- ▶ Three/single-phase models with on-line double conversion technology.
- ▶ DSP (Digital Signal Processors) technology
- ▶ Suitable for all kinds of loads (resistive, inductive and non-linear loads etc).
- ▶ High overload capability (up to 150%)
- ▶ Bypass dual DSP control design to enhance more reliability
- ▶ Supports dual input, hot standby in series
- ▶ Redundant & parallelable with advanced parallel current-sharing control technology
- ▶ Cold start and mains start function
- ▶ High charging capability: 2A/4A/6A/8A/10A/12 A selectable (standard), 14 A/16 A/18A/20A/22 A/24 A selectable (options)
- ▶ Standard configuration with output isolation transformer
- ▶ Superior protection (surge, short-circuit, overvoltage, undervoltage overcharge, reverse battery protection etc.)
- ▶ Advanced communications: RS232 and USB ports (standard), SNMP, dry contacts and RS485 (options), wifi card (Optional).
- ▶ Other options (parallel kits, input isolation transformer, bypass isolation transformer and harmonic suppressor)
- ▶ IGBT Inverter

Rear Panel

1. EPO
2. USB
3. RS232
4. Parallel port (optional)
5. SNMP (optional)
6. Fan
7. Breaker
8. Terminal



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Specifications



MODEL	Nx810 (3:1)	Nx815 (3:1)	Nx820 (3:1)	Nx830 (3:1)
Capacity	10 kVA / 8 kW	15 kVA / 12 kW	20 kVA / 16 kW	30 kVA / 24 kW
INPUT				
Input wiring	Three-phase five-wire (3 Φ + N + PE)			
Rated voltage	380 / 400 / 415 Vac			
Voltage range	285 ~ 475 Vac			
Rated frequency	50 / 60 Hz			
Frequency range	40 ~ 70 Hz			
Bypass voltage range	± 25% (settable)			
OUTPUT				
Output wiring	Single-phase three-wire (1 Φ + N + PE)			
Rated voltage	220 / 230 / 240 Vac			
Output voltage regulation	± 1%			
Rated frequency	50 / 60 Hz (settable)			
Output frequency regulation	50 / 60 Hz ± 0.1 Hz in battery mode			
Waveform	Sinusoidal			
Power factor	0.8			
Voltage distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)			
Crest factor	3:1			
Overload	105% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200 ms, > 200% for 100 ms			
BATTERIES				
DC voltage	192 Vdc			
Number of batteries	12 V × 16 pcs			
Charging voltage	216 Vdc			
EOD	168 Vdc			
Charging current	Default 8 A (2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable)			
SYSTEM				
Max. number of parallel connections	2			
Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature			
Communications	RS232 / USB (standard); RS485 / SNMP / dry contacts (optional)			
OTHERS				
Operating temperature	0 ~ 40°C			
Storage temperature	- 25°C ~ 55°C (without batteries)			
Relative humidity	0 ~ 95% (non-condensing)			
Altitude	≤ 1000 m (derating 1% for each additional 100 m)			
IP rating	IP 20			
Noise level at 1 m	< 60 dB			
Dimensions (W × D × H) (mm)	310 × 600 × 880	400 × 815 × 1100		
Packaged dimensions (W × D × H) (mm)	430 × 710 × 1080	525 × 925 × 1305		
Net weight (kg)	140	210	240	280
Gross weight (kg)	153	225	255	295

All specifications 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.