
# X9
## SERIES
## 2000W SHORT DEPTH UPS

**3 YEAR ULTIMATE WARRANTY**

# REDEFINING POWER PROTECTION

**NFLUX X9 series represents the latest in high efficiency, maximum power UPS system technology providing reliable and flexible power protection for edge device applications.**

The X9 online technology provides real time double conversion protection ensuring connected devices always have uninterrupted power, continuous voltage and frequency irrespective of the local power environment.

The X9 2kW is designed with an ultra-compact footprint, making it ideal for short-depth cabinets while delivering a robust 2kW of power. Its compatibility with up to four external batteries ensures extended autonomy, making it the perfect solution for critical security and IT applications.

All X9 series UPS are unity power factor meaning you get the full 1000, 2000 or 3000 watts of available name plate power with no derating.

X9 systems are designed for long runtime and all UPS and battery packs come with 9AH batteries for maximum energy availability.

The units come configured for rack mount installation including rack mount rails, but and can be converted to tower form installation with the use of supplied install leveling feet.

With a large range of communications options including standard ethernet plugin SNMP, but also a wireless SNMP to save on cables, RS232 and USB.


### X9 UPS FEATURES

- 3 year warranty on UPS and batteries
- Online Double Conversion Technology
- Unity Power Factor for maximum power output
- Conformally Coated Internal Boards
- 9AH batteries in all models for maximum power
- All models support up to 4 x External Battery modules for maximum runtime
- Flexible Rack or Tower Configuration
- Easy to read graphical LCD display
- Easy user replaceable batteries
- Generator Compatible
- EPO Port

### COMMUNICATION OPTIONS

- Ethernet SNMP
- Wireless SNMP
- AS400
- Relay Card
- RS232
- HID USB

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*All systems come with an NFLUX Ultimate 3 year warranty on parts and batteries.*

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# 2000W SHORT DEPTH UPS

# Specifications

| Model | | X9-2kW-SD |
|---|---|---|
| Capacity (VA/W) | | 2000VA/2000W |
| **Configuration** | | |
| Form Factor | | Rack / Tower |
| Energy-saving Technology | | User programmable, ECO Mode Efficiency ≧95% |
| **Input** | | |
| Voltage Range | | 80~300Vac |
| Frequency Range | | 40 ~ 70Hz |
| Power Factor | | 0.99 |
| Cold Start | | Yes |
| Connections | | IEC C14 |
| **Output** | | |
| Output Voltage | | 208/220/230/240Vac±1% |
| Output Waveform | | Pure Sine Wave |
| Output Frequency | | 50 / 60Hz (Auto-Sensing or Configurable) ±0. 5Hz* |
| Transfer Time (Typically) | | 0ms |
| Rated Power Factor | | 1 |
| Harmonic Distortion | | THD < 3% at Linear Load, < 5% at Non-linear Load @ Nominal Input |
| Crest Factor | | 3:01 |
| ECO Mode Voltage Regulation | | ±10%, ±15% (Configurable) |
| Overload Protection | Line Mode | 100~105% Warning, transfer to bypass after 2 min |
| | | 110%~130% Warning, transfer to bypass after 1 min |
| | | >130% Transfer to bypass after 3s |
| | Battery Mode | 100%~130% Warning, shutdown after 1 min |
| | | >130% Shutdown after 3s |
| Short Circuit Protection | | UPS Output Cut off Immediately or Input Fuse / Circuit Breaker Protection |
| Surge Protection | | IEC 61000-4-5 Level 4 |
| Connections | | 8 x C13 |
| **Battery** | | |
| Battery Voltage | | 48V |
| Battery Model | | 12V 9AH |
| EBM Compatibility | | Supports up to 4 x External Battery Modules (X9-EBM48-S) |
| Recharge Time (Typically) | | 4 Hours (internal batteries) |
| Battery Type | | Maintenance Free, Valve Regulated Lead Acid |
| **Status Indicators** | | |
| LCD Screen | | Graphic LCD |
| Audible Alarms | | Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery, Bypass Mode, Charger Failure /Over Charged, Fan failure, EPO active |
| **Environment** | | |
| Operating Temperature | | 0°C to 40°C |
| Operating Relative Humidity | | 20 to 90% Non-Condensing |
| **Management** | | |
| On-Device Features | | Self Test, Auto-Charge, Auto-Restart, Auto-Overload Recovery |
| Connectivity Ports | | (1) Serial Port (RS232), (1) USB Port, |
| SNMP/HTTP Capable | | (1) Expansion Port (With optional card) |
| **Physical** | | |
| UPS and EBM Dimensions (H x W x D) (mm) | | UPS: 88 (2RU) x 438 x 430, EBM: 88 x 438 x 430 |
| UPS Net Weight (Kg) | | 17.3 |
| EBM Net Weight (Kg) | | 24.6 |
| **Regulation** | | |
| Compliance | | AS62040, CE, IEC 62040-2 Category C2, IEC 61000-4-5 Level 3, ISTA 1A, Internal standard, IP20(static) |