

Important Note

This UPS system has no internal batteries. For a similar UPS system with internal batteries, please see S3M30KX.

SmartOnline S3MX Series 3-Phase 380/400/415V 30kVA 27kW On-Line Double-Conversion UPS, Parallel for Capacity and Redundancy, Single & Dual AC Input, No Internal Batteries

MODEL NUMBER: S3M30KXD-NIB



Highly efficient 94% on-line UPS with compact design protects mission-critical equipment against downtime due to power disturbances.

Features

Battery Backup Option and VFI Operation Protect Critical LoadsThe SmartOnline® S3M30KXD-NIB IGBT UPS supports the continuous availability of your most important loads through all power conditions, providing a compact backup power platform that's easy to manage and inexpensive to operate. Sophisticated voltage and frequency independent (VFI) operation and advanced IGBT rectifier technology with DSP control deliver reliable output power quality. Providing up to 30kVA of clean, continuous power, this 3-phase UPS system is perfect for critical applications in IT, communications, corporate, commercial, retail, financial, security, transportation, emergency and edge infrastructure environments.

Best-in-Class Footprint for Easy Integration into Your Network ApplicationThis on-line double-conversion UPS system has a very small footprint of just 0.24 square meters. It requires less valuable space in your facility, and you can install the UPS system in spaces that would previously have required expensive retrofitting.

Efficient Operation and Design Reduces Cost of OwnershipThis UPS benefits from highly efficient transformer-free double-conversion technology that delivers operating cost savings. It achieves 94% efficiency in double-conversion mode and up to 98% in ECO mode, reducing your power and cooling costs. A low THDi (<3%) improves generator compatibility. A low THDv (2%) and active power factor correction improve output performance. The hardware and firmware platform design reduces the number of unique boards, improving mean time to repair (MTTR) and resulting in reduced downtime. Built-in static and maintenance bypass transfer UPS load to utility power during faults, overloads and maintenance, which also avoids costly system downtime.

External Batteries Supply Reliable Backup with Expandable Runtime OptionsThe S3M30KXD-NIB

Highlights

- Best-in-class footprint and power density minimize space requirements for up to 30kVA
- Intuitive LCD interface offers key performance, configuration and diagnostics info
- High efficiency (94% on-line, 98% ECO mode) helps reduce operating costs
- Add optional WEBCARDLX with latest version of PADM20 for enhanced remote management
- Parallel for capacity and redundancy up to 3 units
- Single and dual AC input capability

Applications

- Fit 30kVA UPS in best-in-class footprint to save space for revenue-generating equipment
- Back up critical IT equipment and data in network, telecom, financial and commercial applications
- Maintain server-room operations during all power conditions, including short blackouts

Package Includes

- S3M30KXD-NIB SmartOnline S3MX Series 3-Phase 380/400/415V 30kVA 27kW On-Line Double-Conversion UPS (No Internal Batteries)
- RS-232 cable
- Paralleling cable kit
- Owner's manual

online double-conversion UPS uses external scalable battery cabinets (sold separately) to provide backup support in case of a power failure. For instance, the BP480V65 provides up to 41 minutes of extended runtime at full load, and the BP480V40 provides up to 22 minutes. The UPS system automatically restarts after a lengthy power outage.

Intuitive LCD Interface Delivers Important Performance Information at a GlanceThe interactive front-panel LCD interface displays critical operating conditions and diagnostic data, including operating mode, input/output voltage, load, battery voltage, backup runtime and fault conditions. Four LEDs provide information about line, bypass, battery and fault status.

Network Management Card Offers Remote Monitoring and ControlThe optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities, including customizable dashboard graphs to fit user preferences. The PADM20 upgrade and PowerAlert Element Manager (PAEM) software form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations.

Parallel Capability Provides Additional CapacityConnect up to three S3M30KXD-NIB units in parallel using separate/shared battery cabinets for increased capacity.

2-Year Warranty Provides Peace of MindThe S3M30KXD-NIB is backed by a 2-year limited warranty, ensuring reliability and performance.

Specifications

| OVERVIEW | |
|------------------------------------|---|
| UPC Code | 037332239747 |
| UPS Type | On-Line |
| INPUT | |
| Input Phase | 3-Phase |
| Rated input current (Maximum Load) | 46.6A |
| Nominal Input Voltage(s) Supported | 220/380V 3-PH Wye; 230/400V 3-PH Wye; 240/415V 3-PH Wye |
| Nominal Input Voltage Description | 3-Phase Wye, 4 wire plus ground (L1, L2, L3, N, G) |
| UPS Input Connection Type | Hardwire |
| Input Circuit Breakers | 63A (3 pole) |
| Power Factor (Input) | .99PF (100% load) |
| THDi | <3% (100% load) |
| OUTPUT | |
| Output Capacity (VA) | 30000 |
| Output Capacity (kVA) | 30 |
| Output Capacity (Watts) | 27000 |
| Output Capacity (kW) | 27.00 |

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| Audible Alarm | Alarms warn users of a variety of operational conditions: BYPASS MODE (beeps every 2 seconds), BATTERY MODE (beeps every 4 seconds), FAULT MODE (beeps continuously), OVERLOAD (beeps twice per second), OTHER WARNINGS (beeps once per second), FAULT (beeps continuously); All alarms can be silenced, except OVERLOAD & OTHER WARNINGS conditions |
| LED Indicators | 4 LEDs report BYPASS / LINE / BATTERY / FAULT modes |
| PHYSICAL | |
| Primary Form Factor | Tower |
| Cooling Method | Fans |
| Installation Form Factors Supported with Included Accessories | Tower |
| Primary UPS Depth (mm) | 815 |
| Primary UPS Height (mm) | 1,000 |
| Primary UPS Width (mm) | 300 |
| Shipping Dimensions (hwd / in.) | 47.44 x 16.90 x 36.22 |
| Shipping Weight (kg) | 99.79 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (Height x Width x Depth, mm) | 1000 x 300 x 815 |
| UPS Power Module Dimensions (hwd, in.) | 39.37 x 11.81 x 32.08 |
| UPS Power Module Weight (kg) | 63.50 |
| UPS Power Module Weight (lbs.) | 140 |
| Unit Weight (lbs.) | 140 |
| Unit Weight (kg) | 63.50 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 32° to 95°F (0° to 35°C) with battery; 5° to 140°F (-15° to 60°C) without battery |
| Relative Humidity | 5 to 95%, non-condensing |
| Operating Elevation (ft.) | < 3280ft (Capacity de-rates by 1% for every 328ft over 3280ft) |
| Audible Noise | <60dBA at 1meter |
| Operating Elevation (m) | < 1000m (Capacity de-rates by 1% for every 100m over 1000m) |
| COMMUNICATIONS | |
| Network Management Cards | WEBCARDLX; WEBCARDLX ; MODBUSCARDSV ; RELAYCARDSV |
| Network Monitoring Port Description | Card accessory slot supports network management interface or programmable I/O relay card options |
| Communications Cable | DB9/RS-232 cable included |

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|---|---|
| Communications Interface | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface |
| LINE / BATTERY TRANSFER | |
| Transfer Time | Zero transfer time Online to Battery, Inverter to Bypass 0ms (Synchronous), and Inverter to ECO mode < 10ms. |
| Low Voltage Transfer to Battery Power (Setpoint) | 120V(Ph-N), 208V (Ph-Ph) @ 50% load / 176V (Ph-N), 305V (Ph-Ph) @ 100% load. |
| High Voltage Transfer to Battery Power (Setpoint) | 276 (Ph-N), 478V (Ph-Ph) @ 50% or 100% load. |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Automatic inverter bypass; Manual bypass switch; Auto Probe Monitoring (requires WEBCARDLXE); Zero transfer time; On-Line/Double-Conversion |
| Green Energy-Saving Features | High efficiency economy mode operation |
| Grounding Details | Yes |
| IP68 Rated | No |
| IP20 Rated | No |
| APPLICATIONS | |
| UPS Applications | Mission Critical Applications |
| STANDARDS & COMPLIANCE | |
| Product Certifications | IEC/EN 62040 |
| Product Compliance | RoHS; CE (Europe); UKCA |
| WARRANTY & SUPPORT | |
| Product Warranty Period (U.S. & Canada) | 2-year limited warranty |
| Product Warranty Period (International) | 2-year limited warranty |
| Product Warranty Period (Mexico) | 2-year limited warranty |
| Product Warranty Period (Puerto Rico) | 2-year limited warranty |
| 3-Phase Warranty Statement | Tripp Lite 3-Phase UPS Factory Warranty |