

This UPS system has no internal batteries. For a similar UPS system with internal batteries, please see Tripp Lite's S3M40KX.

SmartOnline S3MX Series 3-Phase 380/400/415V 40kVA 36kW On-Line Double-Conversion UPS (No Internal Batteries)

MODEL NUMBER: **S3M40KX-NIB**



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

Features

Battery Backup and VFI Operation Protect Critical LoadsThe SmartOnline® S3M40KX-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 40kVA 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 light industrial 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 IGBT 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 S3M40KX-NIB online double-conversion UPS uses external scalable battery cabinets (sold separately) to provide backup support in case of a power failure. For instance, the Tripp Lite BP480V65 provides up to 28 minutes of extended runtime at full load, and the BP480V40 provides up to 15 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 Java-free WEBCARDLX network management card (sold separately) enables remote management through embedded HTML5 web, SSH/telnet and SNMP interfaces, as well as integration with a wide range of

Highlights

- Best-in-class footprint and power density minimize space requirements for up to 40kVA
- Intuitive LCD interface offers key performance, configuration and diagnostics info
- High efficiency (94% on-line, 98% ECO mode) helps reduce operating costs
- Optional WEBCARDLX network management card allows cost-effective remote management
- Parallel capability provides increased capacity and redundancy up to 3 units

Applications

- Save space in tight data center environments with best-in-class small footprint
- Back up essential equipment in network, telecom, financial and light industrial applications
- Maintain critical server-room operations during all power conditions, including short blackouts

Package Includes

- S3M40KX-NIB SmartOnline S3MX Series 3-Phase 380/400/415V 40kVA 36kW On-Line Double-Conversion UPS (No Internal Batteries)
- P3080KIT parallel cable kit
- RS-232 cable
- Owner's manual



network management systems and DCIM platforms. A Remote Emergency Power Off (REPO) port allows shutdown from a safe distance during emergencies.

Parallel Capability Provides Additional Capacity and Redundancy up to 3 Units Connect up to three S3M40KX-NIB units in parallel using separate/shared battery cabinets for increased capacity.

Specifications

OVERVIEW	
UPC Code	037332224125
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	61A
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	80A (3 pole)
Input Phase	3-Phase
Power Factor (Input)	.99PF (100% load)
THDi	<3% (100% load)
OUTPUT	
Output Volt Amp Capacity (VA)	40000
Output kVA Capacity (kVA)	40.00
Output Watt Capacity (Watts)	36000
Output kW Capacity (kW)	36.00
Output Capacity Details	Supports up to 100% load continuously in double conversion mode; Supports 100-110% load for 10 minutes, 110 to 130% load for 1 minute and greater than 130% for 1 second before switching to bypass mode; Inverter mode is automatically restored as load levels are reduced to less than 70%; Configuration options support up to 3 S3M40KX-NIB systems wired in parallel for increased capacity or fault-tolerant, redundant operation
Power Factor	0,9
Crest Factor	3:1
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	+/- 1%
Output Voltage Regulation (Economy Line Mode)	+/-11V of nominal
Output Voltage Regulation (Battery Mode)	+/- 1%



High Voltage Transfer to Battery Power (Setpoint)	276V (Ph-N), 478V (Ph-Ph) @ 50% or 100% load.
SPECIAL FEATURES	
Grounding Lug	Yes
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 WEBCARDLX); Zero transfer time; On-Line/Double-Conversion
Green Energy-Saving Features	High efficiency economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	CE
Certification Details	IEC/EN 62040-1:2008+A1 (Safety); IEC/EN 62040-2:2006 (Category C3)
WARRANTY	
Product Warranty Period (U.S. & Canada)	1-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

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