

SmartOnline S3MX Series 3-Phase 380/400/415V 80kVA 72kW On-Line Double-Conversion UPS, Parallel for Capacity and Redundancy, Single & Dual AC Input

MODEL NUMBER: **S3M80KXD**



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® S3M80KXD 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 80kVA 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 0.28 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 S3M80KXD uses external scalable battery cabinets, such as BP480V65 and BP480V100 (sold separately), to provide up to three hours of backup support in case of a power failure. 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,

Highlights

- Best-in-class footprint and power density minimize space requirements for up to 80kVA
- 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

- Save space in tight data center environments with best-in-class small footprint
- Back up essential equipment in network, telecom, financial and edge infrastructure applications
- Maintain critical data-center, automation-system and production-line operations during all power conditions

Package Includes

- S3M80KXD SmartOnline S3MX Series 3-Phase 380/400/415V 80kVA 72kW On-Line Double-Conversion UPS
- RS-232 cable
- Paralleling cable kit
- Owner's manual

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 Tripp Lite's 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 S3M80KXD units in parallel using separate/shared battery cabinets for increased capacity or redundancy

2-Year Warranty Provides Peace of MindThe S3M80KXD is backed by a 2-year warranty, ensuring reliability and performance.

Specifications

OVERVIEW	
UPC Code	037332239822
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	122.2A
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	6 x 30A fuses/Phase
Input Phase	3-Phase
Power Factor (Input)	.99PF (100% load)
THDi	<3% (100% load)
OUTPUT	
Output Capacity (VA)	80000
Output Capacity (kVA)	80
Output Capacity (Watts)	72000
Output Capacity (kW)	72.00
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 S3M30KX systems wired in parallel for increased capacity or fault-tolerant, redundant operation
Power Factor	0.9
Crest Factor	3:1

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
Grounding Lug	Yes
IP68 Rated	No
IP20 Rated	No
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