3-Phase 208V 80kVA UPS + 100kVA Input Isolation Transformer Kit - 600V Delta to 208V Wye, External Batteries Required

MODEL NUMBER: **S3M80K-100K6T**



Combines an input transformer with a UPS to provide 600V to 208V step-down and isolation protection and clean, reliable backup power to support connected loads.

Features

80kVA 3-Phase UPS System and 100kVA Input Transformer Combined into One Kit
This SmartOnline® kit for 208V IT loads combines S3M80K 208/220/120/127V Double-Conversion UPS system and S3MT-100K600V Input Isolation Transformer into one convenient package. The input transformer connects to the UPS system's input to provide 3-phase voltage step-down and isolation from 600V (Delta) to 208V (Wye). That clean, reliable 208V backup power passes through the UPS system to support your critical loads. The S3M80K-100K6T combo kit is ideally suited for vital applications in banking, education, healthcare, government and manufacturing sectors.

Battery Backup and VFI Operation Protect Critical Loads
The IGBT UPS supports the continuous availability of your most important operational and IT equipment 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.

Complete Step-Down and Isolation Protection That Prevents Power Disruption
The input transformer offers line isolation and protection to the UPS system and its load. It isolates the UPS and connected components from line surges and spikes caused by utility power disruptions that can damage equipment or corrupt data.

Best-in-Class Footprint for Easy Integration into Your Network Application
The compact design lets you install the steel housings in spaces that would otherwise have required expensive retrofitting. By achieving their condensed size without compromising runtime, reliability or functionality, this combination UPS/transformer kit is recommended for data centers, colocation facilities and edge computing environments that require high efficiency, high performance and clean, reliable power protection, while preserving as much space as possible for revenue-generating server racks.

Efficient UPS Operation and Design Reduces Cost of Ownership
The UPS features ENERGY STAR 2.0-certified technology that provides high operational efficiency to save on utility and cooling costs, as well as protect the environment. It achieves 94% efficiency in double-conversion mode and up to 98% in ECO mode, reducing your power and cooling costs. Unity output power factor (1.0) lets you support more equipment. A low THDi (<3%) improves generator compatibility. A low THDv (2%) and active power factor correction with DSP control improve output performance.

Highlights

- Recommended for government, manufacturing, healthcare and corporate settings
- ENERGY STAR 2.0-certified UPS efficiency up to 98% helps reduce utility/cooling costs
- Unity output power factor (1.0) allows support of more equipment without overloading
- Optional WEBCARDLXMINI network card allows cost-effective remote management 24/7
- Rugged steel housings with compact footprint come ready for installation

Applications

- Fit transformer, UPS and batteries in best-in-class footprint to save space for revenue-generating equipment
- Protect healthcare, manufacturing, corporate and other IT equipment where the upstream power source is 600V and the load requires a 208V 3-phase UPS
- Maintain server-room operations during all power conditions, including short blackouts

Package Includes

- S3M80K 3-Phase 208/220/120/127V 80kVA/kW Double-Conversion UPS
- S3MT-100K600V 3-Phase 100kVA Input Isolation Transformer
- Parallel UPS cable
- USB cable
- RS-232 cable
- (4) Bottom skirts
- (24) Screws
- Owner's manuals

Transformer Performs with High Efficiency up to 97.7%
Not only does the input transformer offer up to 97.7 percent efficiency, it also is very quiet with a noise profile less than 65 dBA. A built-in circuit breaker on the output side helps prevent dangerous power overloads. Three ball-bearing cooling fans help prevent overheating. An overheat-sensing relay and switch combine with a red LED indicator to provide over-temperature warning and overheating protection.

External Batteries Supply Reliable Backup with Expandable Runtime Options
The S3M80K uses external battery cabinets, including BP240V65L and BP240V100L (sold separately), to provide backup support in case of a power failure. These cabinets are available with or without internal batteries. No internal batteries are included with the S3M80K. A one-touch cold-start button powers up the UPS with battery power only.

Remote Network Monitoring and Control Available 24 Hours a Day
The optional Java-free WEBCARDLXMINI network management card (sold separately) enables remote UPS management through embedded HTML5 web, SSH/telnet and SNMP interfaces, as well as integration with a wide range of network management systems and DCIM platforms. WEBCARDLXMINI also supports EnviroSense2 modules (sold separately), which monitor temperature, humidity and other environmental factors.

Specifications

OVERVIEW	
UPC Code	037332253323
Transformer Type	Input Step Down
UPS Type	On-Line
INPUT	
Input Phase	3-Phase
Nominal Input Voltage(s) Supported	600V 3-PH Delta
UPS Input Connection Type	Hardwire
OUTPUT	
Output Capacity (VA)	80000
Output Capacity (kVA)	80
Nominal Output Voltage(s) Supported	120/208V 3-PH Wye
PHYSICAL	
Primary Form Factor	Tower
APPLICATIONS	
UPS Applications	Mission Critical Applications
STANDARDS & COMPLIANCE	
Product Certifications	UL 1778
Product Compliance	RoHS

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Product Warranty Period (U.S. & Canada)	2-year limited warranty

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