SmartOnline S3MT-Series 3-Phase 60kVA Input Isolation Transformer, 600V Delta to 208V Wye

MODEL NUMBER: **S3MT-60K600V**

60kVA/kW transformer provides 600V (Delta) to 208V (Wye) step-down and isolation protection to a 3-phase UPS and its load.

Features

Get Complete Step-Down/Step-Up and Isolation Protection
Tripp Lite's S3MT-60K600V 60kVA/kW transformer offers line isolation and protection to the connected 3-phase 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. The step-down input isolation transformer is ideal for 4-wire (3Ph+N+PE) IT loads in government, manufacturing, healthcare and corporate settings with a 600V electrical feed and 208/120V equipment.

Performs with High Efficiency up to 97.5%
Not only is the S3MT-60K600V very efficient, with up to 97.5 percent efficiency, but it is also very quiet with a noise profile less than 65 dBA. A built-in circuit breaker on the output side helps prevent dangerous power overloads. Four 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.

Small Footprint for Quick Installation in a Compact Space
The compact footprint enables installation of the S3MT-60K600V with minimal space. The rugged stainless steel housing ships ready for immediate tower installation with a compatible 50–60kVA/kW Tripp Lite S3M-Series 208V 3-phase UPS system.

Highlights

- Recommended for government, manufacturing, healthcare and corporate settings
- Up to 97.5% efficiency with a quiet acoustic profile less than 65 dBA
- Resettable protection relay/switch and red LED indicator warn against overheating
- Rugged stainless steel housing with compact footprint comes ready for installation
- Compatible with 50–60kVA/kW Tripp Lite S3M-Series 208V 3-phase UPS systems

Applications

Protect healthcare, manufacturing, industrial, corporate and other IT equipment where the upstream power source is 600V and the load requires a 208V 3-phase UPS

System Requirements

50–60kVA/kW Tripp Lite S3M-Series 208V 3-phase UPS system

Package Includes

- S3MT-60K600V 3-Phase 60kVA Input Isolation Transformer
- (4) Bottom skirts
- (24) Screws
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332253163
Efficiency	96.5% @ full load
Nominal Voltage / Frequency	600V 3-PH / 60Hz
VA / Watt Capacity	60000
Transformer Type	Dry type, Input step-down isolation transformer

INPUT	
Input Phase	3-Phase
Nominal Input Voltage(s) Supported	600V 3-PH Delta
UPS Input Connection Type	Hardwire
OUTPUT	
Output Capacity (VA)	60000
Output Capacity (kVA)	60
Nominal Output Voltage(s) Supported	120/208V 3-PH Wye
Output Receptacles	Hardwire
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	4 x BALL BEARING, 120MM (576 TOTAL CFM)
Form Factors Supported	Tower
Shipping Dimensions (hwd / in.)	55.10 x 27.60 x 37.80
Shipping Weight (kg)	407.78
Unit Dimensions (hwd / in.)	47.200 x 23.600 x 33.500
Unit Dimensions (hwd / cm)	120 x 60 x 85
Unit Weight (lbs.)	789
Unit Weight (kg)	357.88
ENVIRONMENTAL	
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	7167
INPUT TRANSFORMER	
Input Voltage	600V 3-PH Delta
Input Voltage Range	(-45%, +25%) for 40% load (-20%, +25%) for 100% load
Input Amp(s)	81 A
AC Input Configuration	Delta
AC Input Frequency	50/60
Frequency Range	40/70Hz
Voltage Selection	NONE
Input Inrush Current	710 A
VA Rating	60K
Input Number of Phases	3PH

AC Output Voltage (V)	120/208V 3-PH Wye
AC Output Amps	225 A
Output Number of Phases	3PH + N
AC Output Configuration	WYE
Output Isolation	Yes
Output Breaker Rating	250 A
Connection Type	COPPER BAR
LED Warning Light Functions	The over-temperature warning LED light will turn ON when the output/secondary of the Input transformer reaches 160°C ±5°C and will turn OFF wthen the corresponding transfomer cools down to 125°C ±5°C
Over Temperature Reset	
Efficiency @ Half Load	97.5%
Efficiency @ Full Load	96.5%
Heat Dissipation (BTU/Hr) @ Full Load	7167
Audible Noise (dBA @ 1m)	65dB max
APPLICATIONS	
UPS Applications	Mission Critical Applications
OUTPUT TRANSFORMER	
Efficiency @ Half Load	97.5%
Efficiency @ Full Load	96.5%
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Product Warranty Period (U.S. & Canada)	2-year limited warranty

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