SmartOnline S3MT-Series 3-Phase 100kVA Input Isolation Transformer, Delta 480V to 208V Wye, TAA

MODEL NUMBER: **S3MT-100K480V**











100kVA/kW transformer provides 480V (Delta) to 208V (Wye) step-down and isolation protection to a 3-phase UPS and its load.

Features

Get Complete Step-Down and Isolation Protection and Prevent Power Disruption
S3MT-100K480V 100kVA/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 480V electrical feed and 208/120V equipment.

Performs with High Efficiency up to 97.7%
Not only is the S3MT-100K480V very efficient, with up to 97.7 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. Three large 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-100K480V with minimal space. The rugged stainless steel housing ships ready for immediate installation with a compatible 80–100kVA/kW S3M-Series 3-phase UPS system.

Highlights

- Recommended for government, manufacturing, healthcare and corporate settings
- Up to 97.7% 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 80–100kVA/kW S3M-Series 3-phase UPS systems

Applications

Protect healthcare, manufacturing, corporate and other IT equipment where the upstream power source is 480V and the load requires a 208V 3-phase UPS

Package Includes

- S3MT-100K480V 3-Phase 100kVA Input Isolation Transformer
- Owner’s manual

Specifications

OVERVIEW	
UPC Code	037332253187
Efficiency	96.7% @ full load
Nominal Voltage / Frequency	480V 3-PH / 60Hz
VA / Watt Capacity	100000

Transformer Type	Dry type, Input step-down isolation transformer
INPUT	
Input Phase	3-Phase
Nominal Input Voltage(s) Supported	480V 3-PH Delta
UPS Input Connection Type	Hardwire
OUTPUT	
Output Capacity (VA)	100000
Output Capacity (kVA)	100
Nominal Output Voltage(s) Supported	120/208V 3-PH Wye
Output Receptacles	Hardwire
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	3 x BALL BEARING, 172x152mm (723 TOTAL CFM)
Form Factors Supported	Tower
Shipping Dimensions (hwd / in.)	55.10 x 27.60 x 37.80
Shipping Weight (kg)	545.22
Unit Dimensions (hwd / in.)	47.200 x 23.600 x 33.500
Unit Dimensions (hwd / cm)	120 x 60 x 85
Unit Weight (lbs.)	1078
Unit Weight (kg)	488.97
ENVIRONMENTAL	
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	11263
INPUT TRANSFORMER	
Input Voltage	480V 3-PH Delta
Input Voltage Range	(-45%, +25%) for 40% load (-20%, +25%) for 100% load
Input Amp(s)	168 A
AC Input Configuration	Delta
AC Input Frequency	50/60
Frequency Range	40/70Hz
Voltage Selection	NONE
Input Inrush Current	3330A(10ms)
VA Rating	100K

Input Number of Phases	3PH
AC Output Voltage (V)	120/208V 3-PH Wye
AC Output Amps	374 A
Output Number of Phases	3PH + N
AC Output Configuration	WYE
Output Isolation	Yes
Output Breaker Rating	400 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	If the secondary side of the input transformer reaches temperatures of or higher than 160°C ± 5°C, i.e. a range of 155°C to 165°C (311°F to 329°F), an over-temperature protection relay and thermal switch will activate and will open the breaker on secondary side of the transformer. Once the transformer temperature has cooled down to 125°C ± 5°C, i.e. a range of 120°C to 130°C (248°F to 266°F) the warning LED light will turn OFF, and you may manually re-activate (close) the output breaker on the transformer to restart normal operation..
Efficiency @ Half Load	97.7%
Efficiency @ Full Load	96.7%
Heat Dissipation (BTU/Hr) @ Full Load	11263
Audible Noise (dBA @ 1m)	65dB max
APPLICATIONS	
UPS Applications	Mission Critical Applications
OUTPUT TRANSFORMER	
Efficiency @ Half Load	97.7%
Efficiency @ Full Load	96.7%
STANDARDS & COMPLIANCE	
Product Compliance	Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Product Warranty Period (U.S. & Canada)	2-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2025 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.