INDOOR ISOLATION TRANSFORMER

PROTECTING YOU FROM THE WORST ELECTRICAL PROBLEMS
THREE PHASE 15 KVA - 500 KVA
MADE IN THE USA

PEAK CURRENT POWER:

Today's systems draw alternating current in peak, non linear mode. Ordinary power conditioners typically have a high forward transfer impedance, which causes sine wave distortion. DSPM has low impedance that minimizes this distortion.

PROTECTION AGAINST ELECTRICAL NOISE:

Electrical noise consists of spurious electrical signals which enter power lines from such sources as lightning, utility network switching and the operation of countless electrical devices.

Noise is so preventable that it accounts for nearly 90% of all problem causing power disturbances.

Power line noise is transmitted in two different forms, common-mode noise and transverse-mode (normal-mode) noise.

DSPM utilizes Faraday shields to achieve -120dB of common-mode noise attenuation. The isolation transformer also achieves -20dB per decade transverse (normal) mode noise attenuation.

SOLUTIONS TO POWER LINE DISTURBANCES:

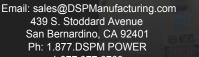
Common-Mode Noise Protection:

This type of noise is a voltage disturbance found between both current carrying leads and the common ground wire.

Transverse-Mode Protection:

Transverse-mode noise is not as easily eliminated as common-mode noise. Transverse voltage can be found on the secondary winding of power transformer, providing significant transverse-mode noise attenuation.





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INDOOR ISOLATION TRANSFORMER

Standard Power Levels..........15, 30, 50, 75, 100, 125, 150, 175, 200, 225, 250, 300, 400 and 500 kVA

Input Voltage208 or 480VAC

Input Voltage Range.....+5%, -10% @ 2.5% Manual Taps

Output Voltage......208Y/120 or 480Y/277VAC

Output Frequency Range......50 to 60 Hz, ±5%

Output Impedance......3 to 5%

Response Time......<200 nanoseconds

Common-Mode......120 dB Noisettenuation

Normal-Mode.....20 dB/decade
Overload (In-rush)......200% of a full load for 30 minutes, 1000% of a full load

Load Power Factor.......0.3 leading or lagging to unity

Efficiency......96% at full loads, and 98.5% at light loads

Audible Noise..................<45dB measured on Response Curve "A

OperatingTemperature......0° to 40°C (32° to 104°F)

Storage Temperature.....15° to 50°C (5° to 122°F)

Humidity......5 - 95%, Non-condensing

OperatingTemperature.....up to 10,000 ft.

Cabinet.....NEMA 1 Indoor Cabinet

*Consult factory for others.

Specifications subject to change without notice.

Isolation Transformer Series	Power Rating	Cabinet Dimensions			Weight
ISO3 (Consult factory for others)	kVA	W	Н	D	(lbs)
	15	21"	28"	14"	300
	30	26.5"	32"	17"	420
	50	26.5"	32"	17"	530
	75	31.5"	40.5"	21.75"	670
	100	31.5"	40.5"	21.75"	800
	125	31.5"	40.5"	21.75"	890
	150	40.5"	51.5"	26.5"	970
	175	40.5"	51.5"	26.5"	1150
	200	40.5"	51.5"	26.5"	1300
	225	40.5"	51.5"	26.5"	1400
	250	40.5"	51.5"	26.5"	1500
	300	40.5"	51.5"	26.5"	1700
	400	50.5"	66"	32"	2350
	500	50.5"	66"	32"	2550

SSS - Secondary Surge Suppression

IF - Input Filter

IOF - Input/Output Filter

CMNA 140 - Common Mode Noise Attenuation -140dB

CMNA152 - Common Mode Noise Attenuation -152dB

HIT - High Isolation Transformer

HCR - Harmonic Reduction

STU3 - Onsite Startup

EW - Extended Warranty



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