

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, $\pm 5\%$
 Output Impedance.....3 to 5%
 Response Time.....<200 nanoseconds
 Common-Mode.....120 dB Noise Attenuation
 Normal-Mode.....20 dB/decade
 Overload (In-rush).....200% of a full load for 30 minutes, 1000% of a full load for 1 cycle
 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"
 Operating Temperature.....0° to 40°C (32° to 104°F)
 Storage Temperature.....-15° to 50°C (5° to 122°F)
 Humidity.....5 - 95%, Non-condensing
 Operating Temperature.....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	H	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	

Options:

SSS - Secondary Surge Suppression

IF - Input Filter

IOF - Input/Output Filter

CMNA140 - 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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Represented by: