

SHIELDED ISOLATION TRANSFORMER

Isolation Transformers have primary and secondary windings that are physically separated from each other. It offers hundred percent isolation from the input AC line. It reduces the cumulative leakage current of the isolator and connected equipment. Secondary neutral to ground bonding virtually eliminates common mode noise, providing an isolated neutral-ground reference for sensitive equipment. This is also known as 'insulated' because the windings are insulated from each other. Isolation transformers remove EMI/RFI noise, utility switching transients, and harmonics generated by other onsite loads and utility or lightning related surge conditions.

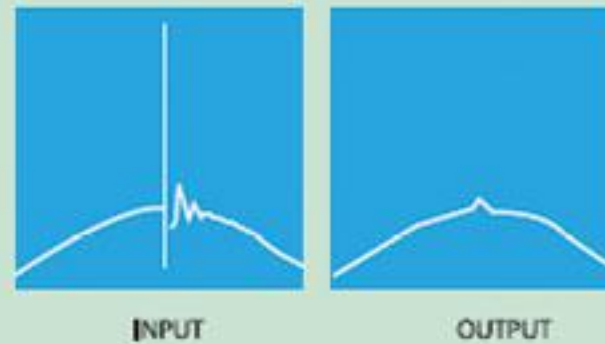
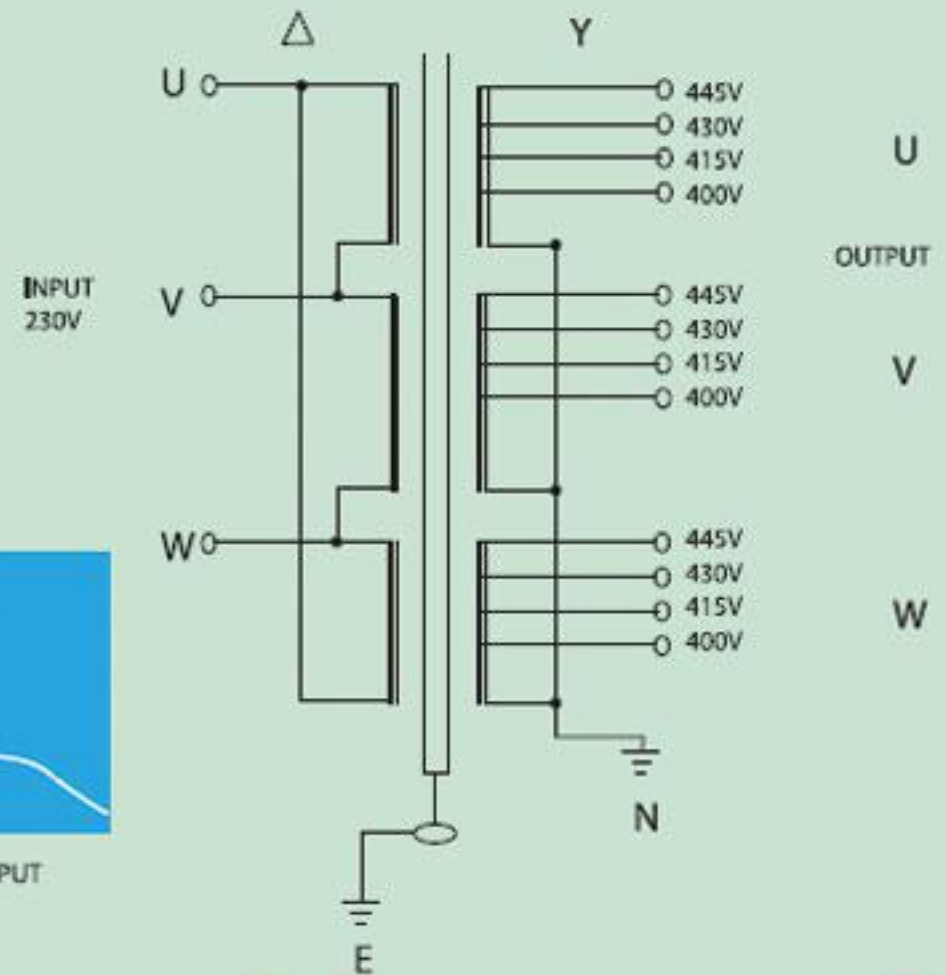
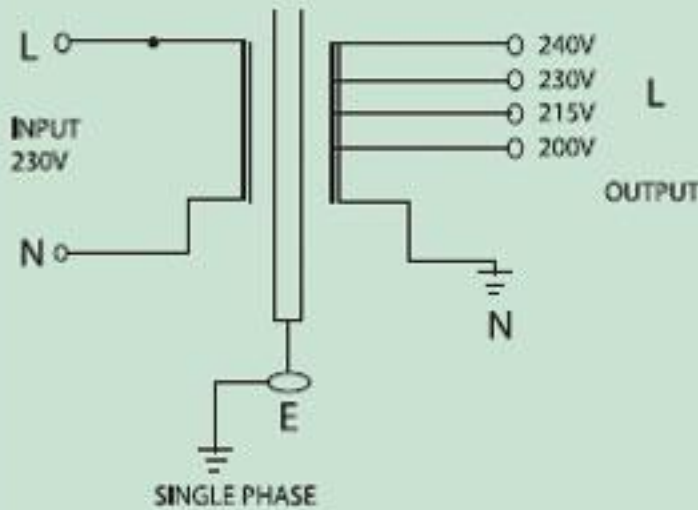


- Hundred Percent Isolation
- Built-In Electrostatic Shield
- Eliminates Common Mode Noise
- Removes Transient Noise
- Attenuates Voltage Spike & Surge
- Reduces Leakage Current
- Improves Power Quality

Shielded isolation transformers have all the feature of the standard isolation transformers plus it also incorporates a full metallic shield between the primary and secondary windings. This electrostatic shield 'faraday shield' is connected to earth ground. It attenuates (filters) voltage transients (voltage spikes) and filters common mode noise. The shielded isolation transformer is preferred over a standard isolation transformer because it provides protection for sensitive and critical equipment and vastly improves power quality. Additional surge suppression components placed at the line input and output combined with full line isolation offers continuous filtering of a full range of power line noise in all modes.

SHIELDED ISOLATION TRANSFORMER

TECHNICAL SPECIFICATION



PHARTICULARS	SINGLE PHASE	THREE PHASE	APPLICATION
Capacity	500VA ~ 50KVA	3KVA ~ 1000KVA	Computers and per peripherals
Input Voltage	230V	400v	Telecommunications
Output Voltage	220V, 215V, 230V, 240V	400V, 415V, 430, 445V	Building security
Voltage Regulation	<2.5%	Less than 2.5%	CAD/CAM
Voltage Variation	±2.5%	Within ±2.5%	Laboratory instrumentation
Dielectric Test Voltage	P-S : 2KV, P-E : 2KV S-E : 2KV	P-S : 2KV, P-E : 2KV S-E : 2KV	Process control
Temperature Raise	<60°C	<60°C	Office automation
Insulation	Class F	Class F	Medical equipment
Cooling System	Air/Oil	Air/Oil	Other electronic equipment
Spike Attenuation	100 : 1	100 : 1	
Noise Attenuation	< 30 Meciro Amp	< 30 Meciro Amp	
Leakage Current	< 300 Meciro Amp	< 300 Meciro Amp	
Ambient Temperature	4 - 45°C	4 - 45°C	
Ambient Humidity	<95% C	<95% C	
Efficiency	>90% C	>90% C	
Waveform Distortion	Nil	Nil	

OTHER TRANSFORMER : ❖ SINGLE PHASE TRANSFORMER ❖ THREE PHASE TRANSFORMER
 ❖ BUCK BOOST TRANSFORMER ❖ STEP DOWN TRANSFORMER ❖ STEP UP TRANSFORMER
 ❖ HIGH VOLTAGE TRANSFORMER ❖ AUTO TRANSFORMER ❖ INSULATION TRANSFORMER
 ❖ DISTRIBUTION TRANSFORMER.



Power Control & Management

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