

# ISOLATION TRANSFORMERS

## Single Phase

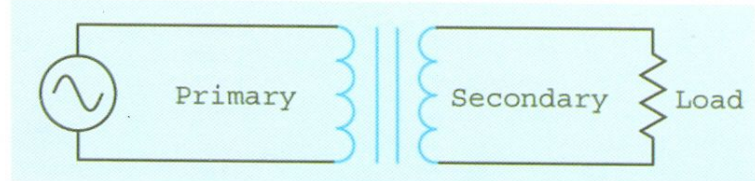


Common mode noise and high energy transients can easily disrupt the operation of sensitive electronic equipment. Poor quality power prone to this type of interference can cause problems in all sorts of environments, including telecommunications and data centres, medical units, CAS/CAM networks, and process control operations.

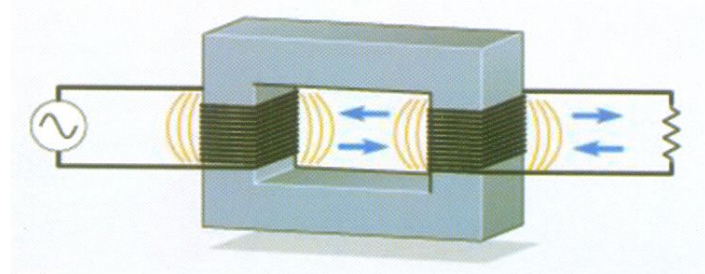
However, a **KALORIE™ Isolation Transformer** can play an important role in building power distribution by reducing common mode noise. It can also be used at UPS Input and Output and at bypass circuit of UPS Systems.

### Single-Phase Isolation Transformers:

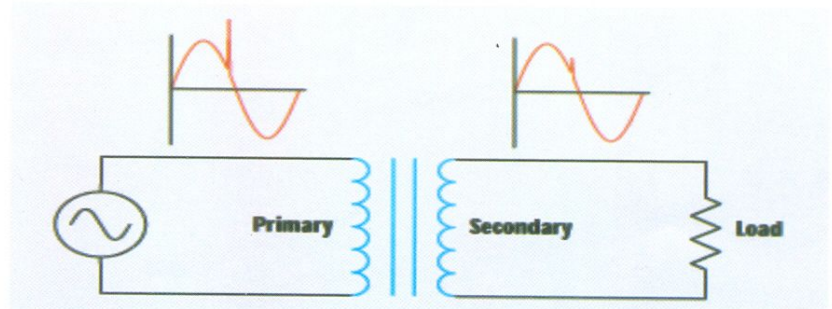
- **Isolation:** The secondary winding is physically and electrically isolated from the primary winding as shown.



- The two windings of an isolation transformer are linked together by the magnetic field.



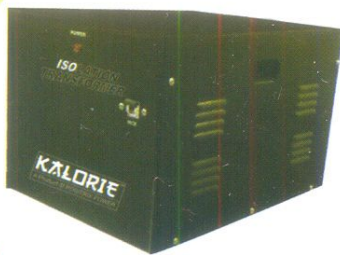
- The isolation transformer greatly reduces voltage spikes as shown below.



**KALORIE™** Single Phase Isolation Transformers are available in three different capacities, viz., 1.5kva, 2.5kva & 3.5kva and have,



Isolation Transformers  
1 kVA - 10 kVA





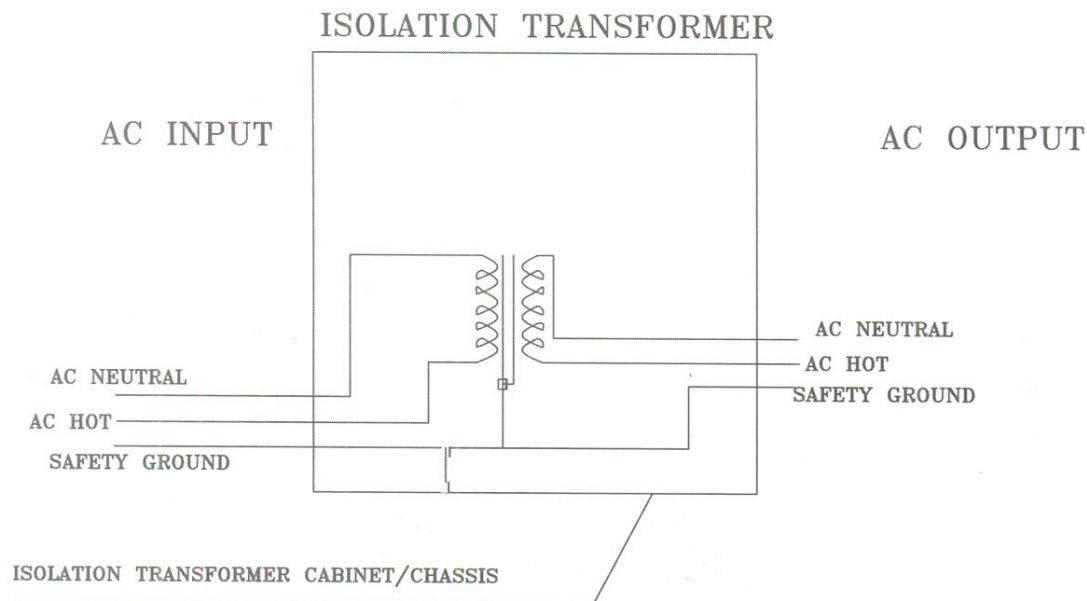
### Unique Features :

- Superior noise attenuation
- Windings for high efficiency and reliability
- Surge suppression network
- Voltage compensation taps
- Computer grade single-point ground

TECHNICAL SPECIFICATIONS		KALORIE 1-PHASE ISOLATION TRNSAFORMER	
Parameter	1.5KVA/1500VA	2.5KVA/2500VA	3.5KVA/3500VA
Input	230V	230V	230V 230V
Output	230V	230V	115 or 230V
Frequency	50/60Hz	50/60Hz	50/60Hz
Rating	7A	11A	15A
Transformer type	Rectangular E-I Core		
Input circuit breaker	Yes		
Winding material	Aluminium / Copper		
ENCLOSURE			
Common Characteristics	Material : Ms, Color : (RAL 7021)	Protection category : IP 21	
Weight	14 kg	26 kg	30 kg
Dimensions (h x w x d),mm	245 x 255 x 360		
STANDARDS			
Safety	EN 60076		

### PACKAGED ISOLATION TRANSFORMER WITH SURGE SUPPRESSOR:

**KALORIE™** Isolation Transformers can be packaged with surge suppression system that will minimize any problems caused by high-energy transients and HF noise in the normal mode. Surge suppressors from 5kva to 25kva can be effectively packaged with 1.5, 2.5 & 3.5kva Isolation Transformers. These can be ordered specifically.



#### [ CONNECTION DIAGRAM ]

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NB : For above 3.5KVA similar technical datasheet can be provided on request.

**Authorised Distributor / Dealer**

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