

Isolation Transformer

(01 ~ 1000kVA)

Transformer Range:
Isolation Transformer
Ultra Isolation Transformer
K-Rated Transformer



Features & Benefits

The use of high insulating materials and special shielding techniques results in an attenuating common mode and minimizes transverse mode noise.

The core and its magnetic properties are properly selected to provide sufficient leakage inductance. This will give the greatest attenuation of normal mode power line noise possible, consistent with the transfer of fundamental power frequency, while all higher frequencies are blocked.

Designed with split winding constructions and bifilar connections to reduce overall capacitance of the winding.

Due to the better regulation, it does not generate common mode impedance coupling effect.

Protect against strong lightening, impulse noise, bus short-circuit, accidental discharge of capacitors, etc.

Protect the Microprocessor based machines and equipment from damage due to electrical noise, spikes etc.



MODEL	BPITX (01 ~ 1000kVA)
Types of Harmonics rating	K1, K4, K13 & K20 Rated
Capacity (kVA)	1-1000 kVA
Related Standards	IS 2026, IS 11171
Turns Ratio	A) 1:1 B) 1:2 C) Customized
Input Nominal Voltage	1-Phase : 230V / 240V ; 3-Phase: 400V / 415V
Input Voltage Range	± 15% ; ± 10%, ± 20% & ± 25% (Customized)
Input Frequency Tolerance	50Hz : 45Hz ~ 55Hz
Output Voltage	1-Phase : 230V / 240V ; 3-Phase: 400V / 415V
Output Frequency	Synchronization to Input frequency
Efficiency @ 100% Load	> 97.5%
Regulation	1.5 ~3% from 0.8 to unity power factor
Impedance	< 4%
Connection	Delta / Star*
Vector Group	Dyn 11** for Delta / Star
Operating Load Power Factor	0.75 Lagging to 0.75 Leading
DC Galvanic Isolation	> 500 Mega Ohms
Dielectric strength	2.5KV, 50Hz for 1 Minute
Coupling Capacitance	0.1 Pico Farads
Line Leakage Current	< 20 Micro Amps
Noise Attenuation	100DB upto 10KHz
Operating Temperature	0 to 50° C
Insulation Class	Class F / H (Customized)
Degree Of Protetion	IP 20
Type Of Cooling	Air Cooled / Oil Cooled
Display	LED indication; LCD display as OPTIONAL

* Connection can be customized to customer requirement.

** Vector group will vary according to the connection.

NOTE: 1) Auto transformer available on request.

• Specifications are subject to change without prior notice.

• Dimension & weight as per detail engineering.

• Customized models available on request.

Best Power Equipments (I) Pvt. Ltd.

Corporate Office: G-240, Sector-63, Distt. Gautam Buddh Nagar, Noida-201307 UP
 Registered Office: 812A, Shakuntala Building, 59, Nehru Place, New Delhi-110019
 PH: +91 120 4637000-0029 | Mobile: +91 9311995859 | Email: crm@bpe.co.in
 support@bpeindia.com | Toll Free: 1800 103 1247 | Website: www.bpee.com

