



POWERHOUSE DISTRIBUTIONS

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Isolation Transformer: Telepower

DESCRIPTION:

This interface transformer has been specifically designed for use in Africa, where conditions vary from country to country and site to site. The input of the transformer has an easily adjustable tap changer, allowing for voltage variation of 380VAC ~ 415VAC nominal. The output is designed to offer 400VAC as this is the European standard, three phase voltage, of which 95% of equipment manufactured in Europe and Southern Africa require.

The input winding has been designed to withstand high input voltages, often found in African conditions, without experiencing permanent damage. The overall transformer has been designed to tolerate the type of harmonic distortion often associated with non linear loads, like x-ray and telecommunications equipment. The inter-winding screens offer high attenuation of interwinding voltages and good common-mode and differential-mode protection (0V between neutral and earth). Due to the delta primary, phase shifting is eliminated.

The overall, oil-cooled packaging allows for outdoor installation. This feature becomes handy when space and cooling in existing installations are limited. Finally, because of the double wound design and the electro-static screen, you have complete isolation between primary and secondary, providing additional safety between the installation and the utility.

FEATURES:

- Interface Isolation Transformer designed for Harsh African conditions.
- Easily adjustable tap changer 380V-415V.
- Withstands high input voltages.
- For non-linear loads.
- High attenuation of inter-winding voltages.
- Outdoor installation.
- Complete Isolation between primary and secondary.

SPECIFICATIONS:

Input Voltages	: Single Phase 230V; Three phase 380, 400, 415V Delta
Frequency	: 48-63Hz; 0.95%
Output Voltage	: Single Phase 230VAC; Three Phase 400VAC Star
Cooling	: Oil Cooled
Application	: Outdoor
Nominal Power Range	: From 10kVA 1P; From 20kVA to 40kVA 3P
Enclosing	: Weatherproof powder-coated mild steel
Vector Group	: Dyn 11
Temperature Class	: H
Environment	: Ambient 0-45°C; Humidity 0-95%; Altitude Max 3000m, no die-rating



Model	Input/Output	Rating	Connection	Dimensions (W x H x D mm)	Weight
10kVA/IS	230/230	10kW	Stud	450 x 535 x 425	120kg
20kVA/IS	400/400	20kW	Stud	515 x 840 x 696	250kg
25kVA/IS	400/400	25kW	Stud	515 x 840 x 696	250kg
30kVA/IS	400/400	30kW	Stud	515 x 840 x 696	250kg
40kVA/IS	400/400	40kW	Stud	515 x 840 x 696	265kg

Note: Other ratings available on request