NXTAMP ENERGY

ENERGY SOLUTION BY NXTAMP

POWER CONDITIONING EQUIPMENTS

Switch To **Reliability & Continuity**

Isolation Transformer

- **Zig-zag construction.**
- **High insulating materials and special shielding techniques are used to reduce common mode and transverse mode noise.**
- **Best in class shielding to lock the transfer of electronics noise. Best regulation with low impedance effect.**
- **Shielding for the neutral harmonics current.**
- **Ensure no affect of electrical noise, spikes and surges on load.**

Parameter	3 Phase	1 Phase
Ratinng (kVA)	3 KVAto1000KVA	1 KVAto25KVA
Reference Standard	IS 11171 : 1985 (Reaffirmated 2006)	
Type of Transformer	Floor mounted, natural air-cooled / oil-cooled (depending on rating)	Dry type, floor mounted, natural air-cooled
	Delta / star 1:1 (Or as per specification)	1:1 (or as per user specification)
Configuration	Dyn 11	
Default Vector Group	Copper Wire / Strip or Aluminium wire / strip	
Winding	Better than 3%	
Load Regulation	0.1 Pico Favads	
Coupling Capacitance Line	< 20 Micro amps	
Leakage Current	K1, K4, K13, K20	
K Factor Type of Cooling	Air Cooled	
Degree of Protection	Ip20	
Operating Temperature	0 to 45 degree C	
Noise Attenuation	100 DB UP to 10 KHz	
Class of insulation	Class H	
Efficiency	"3 - 12 kVA (>95%), > 15 kVA (>97%)At rated input voltage and at 100% rated current of loads that are linear"	
Insulation Strength		
DC galvanic isolation	Withstands 2.5 kV for 1 minute (between windings & between windings and body)	
Common Mode noise rejection	> 1000 Mega Ohms - for UIT, > 100 Mega Ohms - for GIT	
(for UIT only)	Up to 10kHz > 100 dB, 10 kHz to 50 kHz > 60 dB, 50 kHz to 1 MHZ > 40dB	
Short Circuit Protection	HRC fuse at input provided as a standard / MCB / MCCB can be provided as an option	
Indications	LED Lamps for Output Presence, Digital Voltmeter (DVM) - optional	
Housing	Sheet metal housing provided with Input / Output terminations	

Corporate Address

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Our Approvals