

NUMERIC

Iso Safe

Isolation Transformers

Features

- Removes EMI/RFI Noise
- High Common Mode Noise Suppression
 - Total Galvanic Isolation
- Low Line Leakage Current
 - Low Losses & Noise
 - Rugged Design
 - Smaller Footprint



NUMERIC - No.1 UPS Manufacturer in India*

(*Source: Softdisk)

Numeric, the No.1 * UPS Manufacturing company in India backed by a rich experience in the manufacture of UPS Systems and allied power conditioners for over 25 years provides you **Iso Safe**; a wide range of Isolation transformers. In today's mission critical applications with sophisticated hardware in use needs clean power. **Iso Safe** offers reliable source of Clean Power to sensitive equipment from all types of power disturbances and electrical noises.

Numeric **Iso Safe**, Isolation transformer offers complete isolation from the mains. Secondary neutral to ground eliminates common mode noise, providing an Isolated ground reference for sensitive equipment and an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades. Numeric **Iso Safe** removes EMI/RFI noise and mains generated switching transients, poor background spikes generated by other loads and lightning related surge conditions.

Numeric **Iso Safe**, has line Isolation and with additional surge suppression components offer continuous line filtering for a full range of power line noise in all modes. Active filtering with no wearable parts reduces surges in the worst power environments to harmless levels.



Technical Specification

NUMERIC®

Is Safe

		Phase	kVA	Unit Dimension			Wt(kgs)
				H x W x D (mm)			
Capacity	1 kVA - 20kVA (1Phase to 1Phase)	1Ph-1Ph	1 kVA	325	250	350	20
	5 kVA - 60kVA (3 Phase to 1 Phase)						
Input Voltage Range	5 kVA - 500 kVA (3Phase to 3Phase)	1Ph-1Ph	2 kVA	325	250	350	28
	230V (+20% - 30%) 400/415V (+20%-30%)						
Input Frequency	Optional Voltage Range also available	1Ph-1Ph	3 kVA	325	250	350	33
	47 - 53 Hz						
Output Voltage	Optional Voltage Range also available	1Ph-1Ph	5 kVA	325	250	350	45
	230V (+20% - 30%) 230V (+20% - 30%) 400/415V (+20%-30%)						
Voltage Ratio	For 1 Phase* Optional Voltage Range also available	1Ph-1Ph	6 kVA	325	350	350	50
	115/230V, 200/400V for 3Phase						
Winding	1:1/*Other Ratios Optional	1Ph-1Ph	15 kVA	650	375	640	105
	Delta - Star for 3Phase / *Other Connections Optional						
Protection	Electrolytic copper coil suitable to handle rated loads	1Ph-1Ph	20 kVA	650	375	640	125
	without skin effect and excessive heating						
Common Mode Noise Rejection	Star Neutral double sized conductor for k rating	3Ph-3Ph	5 kVA	600	375	640	65
	MCB / MCCBs						
Insulation Resistance	3Ph-3Ph	3Ph-3Ph	7.5 kVA	600	375	640	75
	500 meg ohm at 500V						
Coupling Capacitance	3Ph-3Ph	3Ph-3Ph	10 kVA	600	375	640	85
	0.1 PF for 100dB						
Dielectric Strength	3Ph-3Ph	3Ph-3Ph	15 kVA	600	375	640	105
	2.5kV for 2 minutes						
Load Regulation	3Ph-3Ph	3Ph-3Ph	20 kVA	700	425	690	140
	Better than 3.5%						
Leakage Current	3Ph-3Ph	3Ph-3Ph	30 kVA	700	425	690	190
	Less than 25 Micro Amps						
Normal Mode Noise	3Ph-3Ph	3Ph-3Ph	40 kVA	775	475	825	253
	<65 dB						
Ambient Temperature	3Ph-3Ph	3Ph-3Ph	50 kVA	775	475	825	290
	0 to 50 Deg. C						
Humidity	3Ph-3Ph	3Ph-3Ph	60 kVA	775	475	825	365
	Upto 95% RH						
Standard	3Ph-3Ph	3Ph-3Ph	80 kVA	875	500	1050	400
	Confirms to IS 2026						
Type	3Ph-3Ph	3Ph-3Ph	100 kVA	875	500	1050	440
	Indoor, Floor mounting						
Lightning & Surge Protection	3Ph-3Ph	3Ph-3Ph	120 kVA	875	500	1050	515
	Optional						
Environment	3Ph-3Ph	3Ph-3Ph	160 kVA	1050	625	1350	625
	Designed for indoor use						
Cooling	3Ph-3Ph	3Ph-3Ph	200 kVA	1050	625	1350	740
	Natural Air Cooling						
		3Ph-3Ph	240 kVA	1050	625	1350	795
		3Ph-3Ph	300 kVA	1200	750	1500	920
		3Ph-3Ph	400 kVA	1750	850	1850	1100
		3Ph-3Ph	500 kVA	1750	850	1850	1250

Higher capacities available on request.

As standards, specifications and design change from time to time, please ask for confirmation of the information given in this publication.

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Best Modular UPS for the year 2015



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Top 5 Brands in the category of UPS Systems.



Frost & Sullivan
Awards



ISO 9001 : 2008
ISO 14001 : 2004
BS OHSAS 18001 : 2007

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