

IGBT-Static Voltage Stabilizer

Better Voltage Protection



Applications :

- Cnc Machine
- Textil Machine
- Laser Cutting Machine
- Robotics Application
- Petrol Pump
- Food Processing Unit
- Printing Machine
- Medical Equipments
- Textiles Industry
- Online Server Application

Technical Specifications

ITEM	DESCRIPTION
Regulator Technology	High Frequency 20k Hz IGBT Driven Voltage Regulation Converter. Pulse Width Modulated (PWM) Controlled Direct AC To AC 32 Bit Digital Converter Topology. 7" Coloured Touch Interface (Optional) Synchronised Operation Of 3 Phase Converters Closed Loop Control
Input Voltage	230 Volts AC, 1-Phase, 2 Wire, 50Hz, 400 Volts AC, 3-Phase, 4 Wire, 50Hz
Input Voltage Operating Range	1. 195V-265V/200V-260V/170V-300V AC, 1-Phase, 2 Wire, 50 Hz 2. 340V-460V/350V-450V/300V-500V, AC, 3-Phase, 4 Wire, 50Hz (Other Ranges Available On Specific Order)
Output Voltage	230/400V +1-0.5% AC, Single/Three Phase
Input Frequency	50 Hz + /-5%
Reaction Time	<100 Us
Efficiency	Better Than 98.5%
Protections	Over Current Protection Output Under/Over Voltage Protection Semiconductor Fuses Soft Start Facility (Stabilized Output Voltage, On Mains Restoration) Typer 2 Surge Suppressors
LCD Display	Input /Output Voltage & Current
Environment	Indoor IP 42 Ambient Temperature - Up to 50°C. Relative Humidity : 95% (Non Condensing)
Available Ratings	Three Phase : 6 KVA - 200 KVA & Single Phase : 2 KVA - 50 KVA

Operations

Digital Power Product IGBT type Static Stabilizers are most suitable for fast, step-less and accurate Voltage regulation. These systems are built on state of the art technology with dual voltage & current tracking with robust algorithm to ensure that sensitive loads are effectively protected from grid voltage variations. The basic topology uses a buck-boost transformer with higher primary secondary ratio for voltage corrections up to +1- 25%. The Voltage correction is achieved electronically without any step changes in voltage during regulation.

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