

PNS-2005021KVA001

1000VA Universal Input Voltage Stabilizer

General Description:

PNS-2005021KVA001 series of stabilizers are another innovative products of Power Nucleus, which are used as voltage regulating and power conditioning equipment in domestic and industrial application. This **power saver** voltage stabilizer accepts wide range of the input AC voltage (85VAC –265VAC), and provides constant 230VAC output voltage, with same input AC voltage frequency. This universal input voltage stabilizer offers relatively **low harmonic distortion** in the output voltage and **excellent line and load regulation**. The voltage stabilizer **efficiency** remains grater then **94%** over the full output power range and with universal input AC voltage range. This **power efficient** and **lightweight voltage stabilizer** takes input power from your home power socket at ≈ 1.0 power factor, which again *saves the AC input power* and *reduce the cost* of your electricity bill.

Features:

- Sine Pulse Width Modulation (SPWM) control technology.
- Output Voltage waveform is clean Sine Wave.
- Low output voltage harmonic distortion.
- Accurate Output power limiting (by cycle by cycle output load current limit)
- Accepts wide range of the input AC voltage and frequency, which allows it to be, used any where on the globe.
- Overall stabilizer weight is less then 1kg, hence offers high power density.
- Operates at input power factor $\cong 1$, hence reduces your electricity bill cost.
- Protects your costly equipments from power line surges and transients.
- Very Low electromagnetic Interference.

Technical Specifications of PNS- 2005011KV001

Input Voltage Range	: 85VAC to 260VAC
Input Voltage frequency range	: 48Hz to 62Hz
Input Over current Protection	: Yes
Input power factor	: $\cong 1$
Output Power	: 1000VA (Max)
Output Voltage	: 230VAC, -2%, Sine Wave (@ input voltage frequency)
Output Voltage THD	: <5%
Over load protection	: Yes
Overall efficiency	: $\cong 94\%$
Control technology	: Sine Pulse Width Modulation
Total Weight	: 1.0kg. (Approx.)
Operating ambient temperature	: 0°C- 60°C

IMPORTANT NOTE

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