



USER MANUAL

**ELECTRONIC
VOLTAGE
STABILIZER**

Congratulations on owning a product that is not just thoughtfully designed, but also the most advanced in its category, without a doubt. Every stabilizer is inspected and tested thoroughly before leaving our premises. We undertake to repair this unit FREE OF CHARGE for a period of 36 months from the date of purchase, if any defect in material or workmanship occurs. This undertaking does not extend to any equipment for which the voltage stabilizer is connected.

Model : VSN 4170	Capacity : 12 Ampere	Application: One Inverter AC Up to 1.5 TON
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The most up-to-date design and manufacturing standards make this an ideal guard to your equipment from voltage fluctuations. This unit can withstand up to 320V AC input. Please ensure that excess voltage beyond this level is not fed to the stabilizer, which can cause serious damage to the stabilizer and connected equipment, in which case this warranty will have no application. This stabilizer is designed to work up to 50°C ambient temperature. Surge or spike protection is not provided in this stabilizer.

Please follow these simple instructions carefully:

Connect your equipment to V-GUARD stabilizer and connect the stabilizer to mains. Do not cover the stabilizer with cloth or any other material and ensure that proper ventilation is provided for stabilizer. Make sure that there is no loose connection and proper earthing is done.

This unit is provided with one bicolor LED to indicate the working conditions, as mentioned below:

LED Indication	Condition
Green	Normal Voltage
Red	Time Delay / Low & High Voltage Cut-off
OFF	**Overload Cut-off / No Mains input

This stabilizer is provided with an "Intelligent Time Delay System". Initially when the stabilizer being in OFF condition for more than three minutes, is switched ON, there won't be any time delay. If the power supply fails and comes back within three minutes, there will be a time delay depending upon the period of absence of power. If power failure lasts for more than three minutes, the stabilizer will be switched ON automatically at the arrival of the power. This affords proper balancing time for the compressor before restart.

If the line voltage remains below 140V or above 270V the stabilizer will not give output voltage and the LED glows in red. In few places it is likely that voltage remains very low during peak hours of power consumption (between 6 p.m. and 9 p.m.). Hence stabilizer may be in cut-off condition, if the line voltage is below 140V. When the line voltage comes to the working range, the stabilizer will give output automatically.

**This stabilizer is provided with thermal overload protection feature. When the internal temperature rise of the product exceeds the pre-set limit due to overloading or misbehaviour of connected equipment the protection acts, and stabilizer goes to OFF hence LED indications will be in OFF condition. Confirm the connected load draws not more than the rated current of this stabilizer and wait for 10-15 min to restart the stabilizer automatically.

Switch off stabilizer when AC is not in use.



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