



# **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 : VDW 500 PLUS	Capacity : 15 Ampere	Application: One Domestic dishwasher / Washing Machine / Microwave oven / Treadmill
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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 320 V 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 that case this warranty will be void. This stabilizer is designed to work up to 50°C ambient temperature. Surge protection (Protect the connected equipment from transient voltage/surge) is 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 provided for stabilizer. Make sure that there is no loose connection and proper earthing is done. This stabilizer is provided with digital display, normally showing input and output voltages intermittently. Please refer the below table for display indications.

Condition	Display Indication	Output Voltage
Normal Input and Output Voltage	IP- (Shows Input Voltage)	Available
	OP-(Shows Output Voltage)	
Low / High Voltage Cut-off	Lo / Hi	Not Available
High Temperature Cut-off	Ht-	
Time Delay	dLy	
Thermal Sensor Error	ntc	
Output Voltage Error	OHi	
Internal Fuse Blown	FLt	
**Overload Cut-off /No Mains Input	<i>No Display</i>	

If the line voltage is below 130V or above 280V, the stabilizer will not give output voltage. If the display shows Lo/Hi or Ht-, then the stabilizer is either in low / high voltage cut-off or in high temperature cut-off due to overload. The stabilizer will give output voltage automatically when the excess load is reduced, or line voltage comes to the working range. This stabilizer is incorporated with an initial time delay of 5±2 s to ensure the safe start of the connected load. The product is provided with an internal fuse protection. If the internal fuse blows, stabilizer will display "FLt" indication and shutdown the output. If your stabilizer is showing this indication, please bring the product to V-Guard service center /Authorized dealer for its re-calibration.

\*\*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 digital display 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 Domestic dishwasher/Washing Machine/Microwave oven/Treadmill is not in use.



V-Guard Industries Ltd.,  
Registered Office: 42/962,  
Vennala High School Road,  
Vennala, Kochi - 682028, Kerala.  
Ph: 0484-2005000, 4335000  
[www.vguard.in](http://www.vguard.in)

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V-Guard Care  
0120 485 0100  
1860 180 3000  
[customercare@vguard.in](mailto:customercare@vguard.in)  
☎ 9633503333



[www.vguard.in/home/customer-care](http://www.vguard.in/home/customer-care)  
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