

V-GUARD



EV 4150

INSTALLATION MANUAL

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**ELECTRONIC VOLTAGE
STABILIZER FOR
ELECTRIC VEHICLE CHARGER**

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. In case of any manufacturing defect, we undertake to replace the unit during the first 3 months from the date of purchase, provided the same is returned in good condition with scratch-free cabinet and the packaging materials by the customer. Further, we undertake to repair the unit for a balance period of 2 year 9 months of total 3 year warranty. This undertaking does not extend to any equipment connected to the voltage stabilizer.

MODEL	CAPACITY	APPLICATION
EV 4150	15 Ampere	Domestic 4 Wheeler Electric Vehicle Charger Up to 15 Ampere (3.3 kW)

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.

Please follow these simple instructions carefully:

This stabilizer is provided with digital display, normally it shows 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-	
*Surge Protection Acts	FLt	
Time Delay	dLy	
Thermal Sensor Error	ntc	
Output Voltage Error	OHi	
**Overload Cut-off / No Mains Input	No Display	

*This stabilizer is equipped with surge protection for protecting your Electric Vehicle Charger. In case of surge protection acts, the fuse inside the stabilizer will blow and the stabilizer will shutdown the output voltage with an indication "FLt" on its display panel.

If your stabilizer is showing this indication, please bring the stabilizer to V-Guard service center/Authorized dealer for rectification.

If the line voltage above / below the specified working range, the Stabilizer will not give output voltage. 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. When the line voltage comes to the working range, the Stabilizer will give output automatically with an initial time delay of 5 ± 2 s.

**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.

Do not connect any other equipment, which draws more than the rated current to this stabilizer.

Switch off stabilizer when Electric Vehicle charger is not in use.

Installation Procedure

1. This stabilizer is designed for domestic electric vehicle charger application
 - **EV 4150: Up to 3.3 kW**
2. Place the stabilizer underneath the roof, in a location free from water/moisture.
3. A solid, flat support surface, e.g. concrete or masonry, must be available for mounting.
4. It is recommended to mount at 120 - 200 cm off the ground to minimise any risk of electrical shock or other hazards. Installation must be carried out so that the plug of the charging cable is always at a height of 0.5 m to 1.5 m above floor level.
5. Mount the stabilizer on the wall as per the guidelines in the marking sheet provided along with this stabilizer.
6. Connect the Electric Vehicle charger power cord to the stabilizer output socket.

7. Ensure the main supply is in switched OFF position and then connect the stabilizer power cord to the main supply***.
8. Please verify that proper earthing is done and there are no loose connections.
9. Now you can Switch ON the mains. Stabilizer will be turned ON automatically after 5 ± 2 s.
10. Do not cover the stabilizer with cloth or any other material and ensure that proper ventilation is provided for stabilizer
11. Do not use universal adaptor, extension cords etc. for connecting the electric vehicle charger to the stabilizer.

*** Connect the stabilizer to AC Mains through proper way and take care while selecting mains wiring cable

- EV 4150: MCB recommended by electric vehicle manufacturers and 2.5 sq.mm cable.

It would be preferable to contact an Electrician while installing the stabilizer.

All pictures shown are for illustration purpose only.
Actual product may vary due to product enhancement.



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SCAN TO AVAIL THE
**DIGITAL
WARRANTY**
BY REGISTERING YOUR
PRODUCT ONLINE



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