

GENASUN™



Maximize Off-Grid System Power

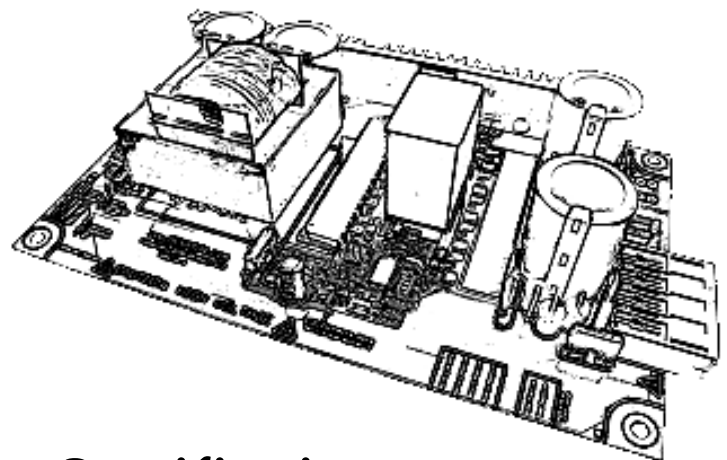
With Genasun's New GVX-25 High-Voltage Charge Controller

Genasun's GVX controllers ensure that as much power goes to your system as possible. Maximum Power Point Tracking (MPPT) offers power gains of 10 - 30% over conventional charge controllers, and state-of-the-art electronics provide high-efficiency energy conversion. Further, Genasun's multi-stage battery charging prolongs the useful life of a lead-acid battery bank.

The GVX-25 is available for use with solar panels or with micro-hydro power systems rated up to several kW. The hydro version includes an output for load diversion and buttons for manual input voltage control.

Features

- Remote LCD readout (V_{in} , V_{out} , I_{out})
- User-selectable battery type and Voltage
- Overload protection with temperature derating
- Multi-stage battery charging with automatic equalization and temperature compensation
- Will charge a fully discharged (0V) battery
- Fanless convection cooling
- Pluggable terminal block for 6-18AWG wire
- Outputs can be paralleled for large arrays
- Matches a higher-voltage array with a lower-voltage battery
- Hydro turbine version available with load diversion output and manual voltage control



Specifications

Input Voltage (V_{oc}) 250V max
Nominal System Voltages (User Selectable)
12, 24, 36, 48, 72, 96, 120, 144
custom voltages available upon request

Output Current 25A max
Max output current vs. input voltage:

220V input	15A max output
150V input	20A max output
60V input	25A max output

Night Current (24V Batt.) 13mA typ
Night Current (120V Batt.) 7mA typ
Efficiency 97.5-99.5% typ
Weight 1.3 kg
Connections pluggable terminal block
Dimensions* 155mm x 290mm x 60mm
** Dimensions include pluggable terminal block*



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