



Godman GRID™

Introduction

The Godman GRID™ portable renewable energy generator has been designed to give you silent, zero-emission quality power with ease of use and reliability. The Godman GRID™ stores energy produced by the included solar panels (or other generation source) when exposed to sunlight and may be thought of like a bank account for electricity – make withdrawals as needed, make deposits when possible, plan a budget, and monitor your balance.

The Godman GRID™ may be charged either while off or while in use to extend the run time. It may be used with or without the solar panels, etc., connected. The auxiliary portal is provided for charging by additional solar panels, wind turbine, or other sources of energy generation.

A Godman GRID™ will easily run such AC loads as fans, pumps, lights, furnaces, microwaves, power tools, refrigerators, TVs, and most other household appliances. As well, 12-volt DC power is available at the auxiliary socket on the DC end or from the AUX portal (AUX plug required).

The electricity is stored in a large 8D 245 amp-hour absorbed glass mat (AGM) deep cycle storage battery. Battery charging by solar panels is monitored by a charge controller. The battery is sealed, but is provided with over pressure vent caps that will allow battery gases (i.e., hydrogen) to escape if the battery becomes over-pressurized due to faults. The battery will normally NOT VENT any battery gases in normal use.

A Godman GRID™ unit includes two hinged weatherproof solar panels with 30-foot, quick-connect cable. Each panel is rated at 175 Watts/hour when exposed to bright sunlight. The solar panels may still provide charge, but at a lesser rate, when exposed to any light source. Moderate charging may possibly be achieved even on cloudy days.

It takes 10-12 hours of bright sunlight to fully charge a fully-depleted Godman GRID™ with unit off and two panels connected. The rugged panel frames are made for outside mounting or for use as portable, stand-alone panels when placed anywhere facing the sun, even inside in a window. **ANY shade on any part of a panel decreases its performance considerably.**

The Godman GRID™ may also be charged by 12VDC sources other than solar, or by our AC/DC charger through the AUX portal. Charging is limited to 30 amps by accessible fuses protecting the small red plug portals.

The Godman GRID™ is available in three models.

Godman GRID™ 110 60Hz – with voltage and frequency used in the United States and approximately 43 other countries, and comes with standard outlets (NEMA), used in the USA.

Godman GRID™ 220 50Hz, with voltage and frequency commonly used internationally. Universal outlets are included with the GRID 220 models.

Godman GRID™ 240, is used in particular for well pumps up to ¾ horse power. The models come customized per location with universal or USA outlets.

Each unit comes with one set of customized solar panels, hinged together like a book, with custom cabling and plug ready.

Accessories

All units can have up to four solar panels plugged in at once. Godman offers **additional panel sets**, that come with an external charge controller. Panels are plugged into the controller, and the controller is plugged into the AUX portal.

Additionally, **custom micro-wind units** are available and can be plugged into the AUX portal. It will provide 200 watts of constant charging for the Godman GRID™, and a great feature for areas that are frequently cloudy or rainy.

Linking Cable -- Godman GRID™s can be linked together, up to four at a time. Linking cables are sold by Godman and can be used immediately to link GRID units together for additional capacity.

Cable Lengths -- Godman offers different cable lengths, up to 150 feet. The most common lengths are 30 and 50 feet.

Solar Panel Racks -- Custom solar panel racks are made by Godman Power and are height adjustable to catch sun rays effectively.

Chargers -- Custom AC/DC chargers are available and can charge the Godman GRIDs by house current if needed.

We thank you for your interest in the Godman GRID™ system, a high-quality product. For any additional information and guidance, please contact our support team at: +1-888-519-9266, or send an email to: help@godmanpower.com. Our team is available 7 days per week.

For current customer service, please have your serial number, located on the lower right corner of unit.