

# Photovoltaic Power Generator

This photovoltaic power generator provides a reliable and sustainable energy solution. It efficiently converts solar energy into usable power and is ideal for off-grid or backup power applications.



## Overview

### Sustainable Energy Solution

This all-in-one photovoltaic power generator is designed to provide reliable, clean, and renewable energy for off-grid or backup power needs. The system integrates advanced lithium iron phosphate storage technology with efficient solar modules to ensure consistent performance. With a user-friendly interface and portable design, it delivers versatile power options including DC and AC outputs to support various professional and personal applications.

## Power Output

### AC Output

**1500 W**

Max AC Output

AC Voltage/Frequency	220V/50Hz, 110V/60Hz
DC Output	5V, 12V
Max DC Output Power	240 W

## Battery & Storage

Battery Chemistry	Lithium Iron Phosphate
Effective Capacity	1500 Wh
Depth of Discharge (DOD)	e95%
Cycle Life	3000 cycles

## Solar Performance

Solar Module Configuration	280Wp x 2 modules
Daily Power Generation	3000 Wh

## Features

### Key Features

- Manual switching between grid and solar power
- Integrated display and control interface
- Real-time status indicators (RUN, FULL, WARNING)
- Portable design with integrated handle