

Solar Photovoltaic Energy Generator

This energy generator is designed for solar photovoltaic applications. It efficiently converts solar energy into usable power and features advanced electronic technology for optimal performance and monitoring.



Product Overview

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This all-in-one solar photovoltaic energy generator provides a comprehensive solution for sustainable power needs. Designed for efficiency and reliability, it seamlessly integrates solar energy conversion with advanced lithium iron phosphate storage technology. The system features flexible AC output options and automatic power switching, making it an ideal choice for reliable off-grid or backup energy applications.

Performance Metrics

Key Performance Indicators

5000 W

Max Output Power

10000 Wh

Effective Capacity

20000 Wh

Daily Power Generation

Electrical Specifications

AC Output Configuration

- 220V @ 50Hz
- 110V @ 60Hz

Battery System

Battery Type	Lithium Iron Phosphate
Depth of Discharge (DOD)	95 %
Cycle Life	e3000cycles

Solar Array

Number of BIPV Modules	12
Power per Module	330 Wp

Operational Features

Switching Capabilities	Grid to Solar Auto-Switch, Manual Diesel Generator Support
Mobility	Yes